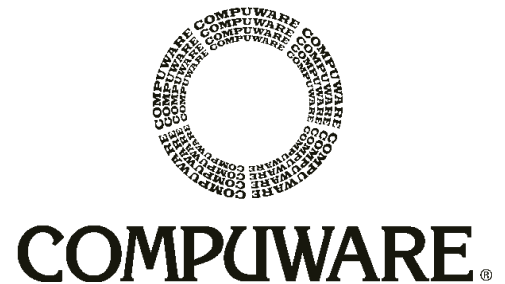# File-AID/MVS
# Summary of Changes

**Release 8.8**

COMPUWARE®

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Doc. CWFAISC8I

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# Contents

# What's New in Release 8.8

The summary of changes document is meant to introduce File-AID/MVS users to the new features of Release 8.8. It provides detailed information on each feature in the following chapters:

New Compare Functions and Features:

- Compare Load Modules and Parse CSECT Information: Diagnose ABENDS and incorrect results by comparing object code modules and parsing CSECT information between two versions of a load module.

- Report Only Fields Changed for Compare: Further reduces the number of print lines produced by opting to print only the compared fields if the values in the fields have changed.

- Ability to set Tolerance Percentage: Set a tolerance percentage for a numeric field that is used to determine "close-enough" matches.

- Compare Panvalet/Librarian Files

- Hybrid Printing: Enables MIXED print in unformatted reports.

- Report Field Statistics

- Ultra-Condensed Compare Report Option: Reduces the number of print lines on unformatted reports.

HFS File Support: Browse, Edit, Copy, and Compare HFS files on the UNIX environment of OS/390.

XML Document Creation: Create XML documents from existing files using COBOL or PL/I layout fields as the tag names.

New Functionality within Browse/Edit Enhances Usability:

- HIDE and HOLD Fields

- COPY and PASTE Records between Files

- FLIP Excluded/Non-excluded Records in the Display

- COLS Primary Command available in Edit

- Maintain File Position when switching between Browse and Edit sessions with the new GO Primary Command.

Automatic Creation of Frequently Used File List: Automatically creates a list of the last 50 files, members, and layouts referenced in your Browse or Edit session.

Integration with File-AID/Data Solutions: Enables you to call Data Solutions from the Compare function to create and process Change Criteria and compare the changed data in the OLD file with the NEW file.

# Chapter 1.
# New Compare Functions and Features

The following list summarizes the new Compare functions and features:

- Compare Load Modules and Parse CSECT Information: Diagnose ABENDS and incorrect results by comparing object code modules and parsing CSECT information between two versions of a load module.
- Report Only Fields Changed for Compare: Further reduces the number of print lines produced by opting to print only the compared fields if the values in the fields have changed.
- Ability to set Tolerance Percentage: Set a tolerance percentage for a numeric field that is used to determine "close-enough" matches.
- Compare Panvalet/Librarian Files
- Hybrid Printing: Enables MIXED print in unformatted reports.
- Report Field Statistics
- Ultra-Condensed Compare Report Option: Reduces the number of print lines on unformatted reports.
- Integration with File-AID/Data Solutions: Enables you to call Data Solutions from the Compare function to create and process Change Criteria and compare the changed data in the OLD file with the NEW file.

File-AID's Compare function is a data compare utility that enables you to do the following:

- Compare a dataset of any file organization supported by File-AID to any other file organization (VSAM, SEQ, PDS, PDSE, BDAM, ISAM, IAM, CA-Panvalet, and CA-Librarian).
- Compare load libraries including CSECT information.
- Use selection criteria to indicate the specific records in the OLD and NEW file that are eligible for the compare.
- Use COMPARE OLD and NEW files that have different layouts in Formatted or Unformatted Compare mode.
- Create compare criteria online with Compare (option 10) or you may create the criteria yourself by coding it per the specifications in the *File-AID/MVS Batch Reference Manual*.
- Specify compare criteria to indicate which fields to include/exclude during the compare. You can use a COBOL or PL/I layout in the compare criteria generation process.
- Automatically synchronize records on key fields. Use the defined key for a keyed file or specify key fields for sorted or non-sorted sequential files. You can use a COBOL or PL/I layout in the key specification process.
- Specify unique compare criteria for each record type to support multiple record type files.
- Specify a number of records to read-ahead to synchronize non-keyed or non-sorted files containing inserted and deleted records.
- Specify flexible compare reporting options.
- Specify COBOL or PL/I layouts to print a Formatted compare report or specify Hexadecimal, Character, or Mixed format for an unformatted report.
- Automatically associate like or similarly-named fields between files with different layouts.
- The Compare function now has a feature that enables you to call File-AID/Data Solutions from the Compare function to create and process Change Criteria and compare the changed data in the OLD file with the NEW file.

# Compare OLD Dataset Specification

The Compare OLD Dataset Specification screen, shown in Figure 1-1, allows you specify Compare mode, the dataset, record layout and XREF, and selection criteria information for the OLD dataset you want to compare.

To access the Compare function, select option **10** from the File-AID Primary Option Menu or enter the appropriate jump command (for example, =10) from any File-AID screen. See "Screen Types" on page 2-8 of the File-AID/MVS *Online Reference Manual*. The Compare function can also be accessed with the **F10** recursive command. See "Recursive Commands" on page 2-5 of the File-AID/MVS *Online Reference Manual*.

**Figure 1-1.** Compare OLD Dataset Specification Screen

```
 File-AID ---------- Compare - OLD Dataset Specification ----------------------
 COMMAND ===>

 Compare Mode              ===> F          (F = Formatted; U = Unformatted
                                            L = Load Library)
 Specify OLD Dataset Information:
   Dataset name or HFS path  ===> 'userid.FASAMP.EMPLOYEE'
   Member name             ===>            (Blank or pattern for member list)
   Volume serial           ===>            (If dataset is not catalogued)


 Specify Record Layout and XREF Information:
   Record layout usage     ===> S          (S = Single; X = XREF; N = None)
   Record layout dataset   ===> 'userid.FASAMP.LAYOUTS'
   Member name             ===> EMPLOYEE   (Blank or pattern for member list)
   XREF dataset name       ===> 'userid.FASAMP.XREF'
   Member name             ===> ORDRFILE   (Blank or pattern for member list)

 Specify Selection Criteria Information:      (E = Existing; T = Temporary;
   Selection criteria usage  ===> N          M = Modify; Q = Quick; N = None)
   Selection dataset name    ===>
   Member name             ===>            (Blank or pattern for member list)
```

# Field Descriptions

### Compare Mode

Specify one of the following valid compare modes:

**F** (Formatted) Formatted criteria uses record formats

**L** (Load Library) Compare load libraries

**U** (Unformatted) Unformatted criteria uses record position.

### *Specify OLD Dataset Information:*

### Dataset name or HFS path

Enter the name of the OLD dataset that you want to compare.
You can enter a pattern dataset name in this field to display a list of datasets from which you can make a selection. A pattern dataset name or mask consists of explicit characters or a combination of explicit and pattern characters. You can also specify a member name, in parentheses, along with the dataset name in this field. For more information on specifying a dataset name, see "Specifying a Dataset Name" on page 2-14 of the File-AID/MVS *Online Reference Manual*.

Specify the HFS path. If the entered path is a complete path, then the file is processed directly for the Edit, Browse, Compare or Copy function. When a partial path is entered, File-AID displays the HFS Directory List enabling you to continue the drill down process at the last directory level entered. For more information on specifying an HFS path, see "Specifying an HFS Pathname" on page 2-1.

**Member name**

If the file is a partitioned dataset, enter the member name of the OLD dataset you want to compare.
You can leave this field blank or enter a pattern member name in this field to display a list of members from which you can select one or more members. A pattern member name or mask consists of explicit characters or a combination of explicit and pattern characters. See "Pattern Dataset Names" on page 2-15 of the File-AID/MVS *Online Reference Manual* for a complete description. You cannot enter a pattern name in both the Dataset name and Member fields at the same time.
If you enter a pattern member name or mask and do not display a list of members (selection list=no), all qualifying members are compared. A mask of "*" compares all members.

**Volume serial**

If the dataset is not cataloged, enter the volume serial number of the disk or tape containing the dataset.

**I/O exit name (Optional)**

If the I/O exit option has been installed, this input area is provided. See the *File-AID Installation Guide* or your system programmer for more information. I/O exit installation options are:

**NO**

I/O exit name field is not presented.

**YES**

I/O exit name field is presented blank for entry of a site-written I/O exit program name.

**exitname**

I/O exit name field is presented prefilled with the name of a site-written I/O exit program.

### *Specify Record Layout and XREF Information:*

**Record layout usage**

Specify one of the following usage values to define the compare files:

**S** - Single layout member

**X** - XREF (multiple layouts)

**N** - None (for an unformatted compare).

**Record layout dataset**

Specify the dataset name for the record layout.
You can enter a pattern dataset name in this field to display a list of datasets from which you can make a selection. A pattern dataset name or mask consists of explicit characters or a combination of explicit and pattern characters. You can also specify a member name, in parentheses, along with the dataset name in this field. For more information on specifying a dataset name, see "Pattern Dataset Names" on page 2-15 of the File-AID/MVS *Online Reference Manual*.

**Member name**

Specify the member name for the record layout.
You can leave this field blank or enter a pattern member name in this field to display a list of members from which you can make a selection. A pattern member name or mask consists of explicit characters or a combination of explicit and pattern characters. See "Pattern Dataset Names" on page 2-15 of the File-AID/MVS *Online Reference Manual* for a complete description. You cannot enter a pattern name in both the Dataset name and Member fields at the same time.
When using an XREF, this field is ignored.

**XREF dataset name**

Specify the dataset name for the layout XREF.
You can enter a pattern dataset name in this field to display a list of datasets from which you can make a selection. A pattern dataset name or mask consists of explicit characters or a combination of explicit and pattern characters. You can also specify a member name, in parentheses, along with the dataset name in this field. For more information on specifying a dataset name, see "Pattern Dataset Names" on page 2-15 of the File-AID/MVS *Online Reference Manual.*

**Member name**

Specify the member name for the XREF.
You can leave this field blank or enter a pattern member name in this field to display a list of members from which you can make a selection. A pattern member name or mask consists of explicit characters or a combination of explicit and pattern characters. See "Pattern Dataset Names" on page 2-15 of the File-AID/MVS *Online Reference Manual* for a complete description. You cannot enter a pattern name in both the Dataset name and Member fields at the same time.

*Specify Selection Criteria Information:*

Refer to Chapter 16, "Selection Criteria (6)" of the File-AID/MVS *Online Reference Manual* for a complete description of selection criteria.

**Note:** Compare always processes records in a forward direction. Compare ignores SEQ/VSAM Backward Processing Direction if specified in the Selection Criteria.

**Selection criteria usage**

Specify one of the following valid entries:

**E** - Use existing selection criteria. Enter a dataset name in the Selection criteria dataset field.

**T** - Create temporary selection criteria. File-AID displays the Temporary Selection Criteria Menu. Temporary selection criteria is not automatically saved. Use the SAVE primary command to retain temporary selection criteria.

**M** - Modify existing selection criteria. Enter a dataset name in the Selection criteria dataset field.

**Q** - Quick selection criteria. File-AID displays the Unformatted Selection Criteria screen for you to enter temporary selection criteria.

**N** - (Default) None -- Do not use selection criteria.

**Selection dataset name**

Specify the name of the dataset containing existing selection criteria for options E and M.
You can enter a pattern dataset name in this field to display a list of datasets from which you can make a selection. A pattern dataset name or mask consists of explicit characters or a combination of explicit and pattern characters. See "Pattern Dataset Names" on page 2-15 for a complete description.

Member name

Specify the member name. You can leave this field blank or enter a pattern member name to display a list of members from which you can make a selection. A pattern member name or mask consists of explicit characters or a combination of explicit and pattern characters. See "Pattern Member Names" on page 2-19 for a complete description. Pattern names cannot be entered in both the Dataset name and Member name fields at the same time.

After you have completed the fields on the Compare OLD Dataset Specification screen, press <Enter> to continue. Use the END (PF3) or RETURN (PF4) command to return to the File-AID Primary Option Menu.

# Compare NEW Dataset Specification

The Compare NEW Dataset Specification screen, shown in Figure 1-2, allows you specify the dataset, record layout and XREF, and selection criteria information for the NEW dataset you want to compare.

**Figure 1-2.** Compare NEW Dataset Specification Screen

```
File-AID ---------- Compare - NEW Dataset Specification ----------------------
COMMAND ===>

Compare Mode: FORMATTED

OLD Dataset Name: userid.FASAMP.EMPLOYEE
Specify NEW Dataset Information:
  Dataset name or HFS path  ===> 'userid.FASAMP.EMPMAST'
  Member name               ===>             (Blank or pattern for member list)
  Volume serial             ===>             (If dataset is not catalogued)


OLD Record Layout Usage: SINGLE
Specify Record Layout and XREF Information:
  Record layout dataset     ===> 'userid.FASAMP.LAYOUTS'
  Member name               ===> EMPLOYEE    (Blank or pattern for member list)
  XREF dataset name         ===> 'userid.FASAMP.XREF'
  Member name               ===> ORDRFILE    (Blank or pattern for member list)

Specify Selection Criteria Information:      (E = Existing; T = Temporary;
  Selection criteria usage  ===> N            M = Modify; Q = Quick; N = None)
  Selection dataset name    ===>
  Member name               ===>             (Blank or pattern for member list)
```

## Field Descriptions

### Compare Mode

This informational field indicates the Compare mode selected on the Compare OLD Dataset Specification screen: F (Formatted), L (Load Library), or U (Unformatted). Formatted criteria uses record formats; unformatted criteria uses record position.

### OLD Dataset Name

This informational field indicates the OLD dataset name or HFS path.

### *Specify NEW Dataset Information:*

### Dataset name or HFS path

Enter the name of the NEW dataset that you want to compare.

You can enter a pattern dataset name in this field to display a list of datasets from which you can select one member. A pattern dataset name or mask consists of explicit characters or a combination of explicit and pattern characters. You can also specify a member name, in parentheses, along with the dataset name in this field. For more information on specifying a dataset name, see "Pattern Dataset Names" on page 2-15 of the File-AID/MVS *Online Reference Manual.*

Specify the HFS path. If the entered path is a complete path, then the file is processed directly for the Edit, Browse, Compare or Copy function. When a partial path is entered, File-AID displays the HFS Directory List enabling you to continue the drill down process at the last directory level entered. For more information on specifying an HFS path, see"Specifying an HFS Pathname" on page 2-1.

### Member name

If the file is a partitioned dataset, enter the member name of the NEW dataset you want to compare.

You can leave this field blank or enter a pattern member name in this field to display a list of members from which you can make a selection. A pattern member name or mask consists of explicit characters or a combination of explicit and pattern characters. See "Pattern Dataset Names" on page 2-15 of the File-AID/MVS *Online Reference Manual* for a complete description. You cannot enter a pattern name in both the Dataset name and Member fields at the same time.

If multiple members were selected for the OLD dataset, leave this field blank.

**Volume serial**

If the dataset is not cataloged, enter the volume serial number of the disk or tape containing the dataset.

**I/O exit name (Optional)**

If the I/O exit option has been installed, this input area is provided. See the *File-AID Installation Guide* or your system programmer for more information. I/O exit installation options are:

**NO**

I/O exit name field is not presented.

**YES**

I/O exit name field is presented blank for entry of a site-written I/O exit program name.

**exitname**

I/O exit name field is presented prefilled with the name of a site-written I/O exit program.

**OLD Record Layout Usage**

This informational field indicates the record layout usage specified on the Compare OLD Dataset Specification Screen: Single, XREF, or NONE.

### *Specify Record Layout and XREF Information:*

**Record layout dataset**

Specify the dataset name for the record layout.

You can enter a pattern dataset name in this field to display a list of datasets from which you can make a selection. A pattern dataset name or mask consists of explicit characters or a combination of explicit and pattern characters. You can also specify a member name, in parentheses, along with the dataset name in this field. For more information on specifying a dataset name, see "Pattern Dataset Names" on page 2-15 of the File-AID/MVS *Online Reference Manual.*

**Member name**

Specify the member name for the record layout.

You can leave this field blank or enter a pattern member name in this field to display a list of members from which you can make a selection. A pattern member name or mask consists of explicit characters or a combination of explicit and pattern characters. See "Pattern Dataset Names" on page 2-15 of the File-AID/MVS *Online Reference Manual* for a complete description. You cannot enter a pattern name in both the Dataset name and Member fields at the same time.

When using an XREF, leave this field blank.

**XREF dataset**

Specify the dataset name for the layout XREF.

You can enter a pattern dataset name in this field to display a list of datasets from which you can make a selection. A pattern dataset name or mask consists of explicit characters or a combination of explicit and pattern characters. You can also specify a

member name, in parentheses, along with the dataset name in this field. For more information on specifying a dataset name, see "Pattern Dataset Names" on page 2-15 of the File-AID/MVS *Online Reference Manual*.

**Member name**

Specify the member name for the XREF.

You can leave this field blank or enter a pattern member name in this field to display a list of members from which you can make a selection. A pattern member name or mask consists of explicit characters or a combination of explicit and pattern characters. See "Pattern Dataset Names" on page 2-15 of the File-AID/MVS *Online Reference Manual* for a complete description. You cannot enter a pattern name in both the Dataset name and Member fields at the same time.

### *Specify Selection Criteria Information:*

Refer to Chapter 16, "Selection Criteria (6)" of the File-AID/MVS *Online Reference Manual* for a complete description of selection criteria.

**Note:** Compare always processes records in a forward direction. Compare ignores SEQ/VSAM Backward Processing Direction if specified in the Selection Criteria.

**Selection criteria usage**

Specify one of the following valid entries:

**E** - Use existing selection criteria. Enter a dataset name in the Selection criteria dataset field.

**T** - Create temporary selection criteria. File-AID displays the Temporary Selection Criteria Menu. Temporary selection criteria is not automatically saved. Use the SAVE primary command to retain temporary selection criteria.

**M** - Modify existing selection criteria. Enter a dataset name in the Selection criteria dataset field.

**Q** - Quick selection criteria. File-AID displays the Unformatted Selection Criteria screen for you to enter temporary selection criteria.

**N** - (Default) None -- Do not use selection criteria.

**Selection dataset name**

Specify the name of the dataset containing existing selection criteria for options E and M.

You can enter a pattern dataset name in this field to display a list of datasets from which you can make a selection. A pattern dataset name or mask consists of explicit characters or a combination of explicit and pattern characters. See "Pattern Dataset Names" on page 2-15 for a complete description.

**Member name**

Specify the member name. You can leave this field blank or enter a pattern member name to display a list of members from which you can make a selection. A pattern member name or mask consists of explicit characters or a combination of explicit and pattern characters. See "Pattern Member Names" on page 2-19 for a complete description. Pattern names cannot be entered in both the Dataset name and Member name fields at the same time.

After you have completed the fields on the Compare New Dataset Specification screen, press <Enter> to continue.

# Compare Execution Options

The Compare Execution Options screen, shown in Figure 1-3, allows you to specify whether you want to process the compare online or batch; and if you want to use existing compare criteria to compare the datasets, and the compare criteria dataset information.

For a Formatted Compare, you may also specify and use File-AID/Data Solutions change criteria to modify OLD file data prior to comparing the data to the NEW file.

For a pre-release 8.7 compare criteria dataset, specify Compare   Criteria usage of M (Modify) and the dataset information. On the   Compare - Criteria Build Complete screen, you may save the new-style  criteria to the same or a different dataset.  These steps convert the old-style criteria to the new-style criteria.

**Figure  1-3.**   Compare - Execution Options Screen

```
  File-AID ---------- Compare - Execution Options -----------------------------
  COMMAND ===>

  Specify Execution Options:
    Process online or batch  ===> O          (O = Online; B = Batch)

  Specify Compare Criteria Information:    (E = Existing; T = Temporary/New;
    Compare criteria usage    ===> N         M = Modify; Q = Quick; N = None)
    Compare criteria dataset ===>
    Member name              ===>           (Blank or pattern for member list)

  Specify optional File-AID/Data Solutions Change Criteria
    to age dates, convert currencies, translate, generate, encrypt or
    otherwise modify data from OLD file userid0.FASAMP.EMPLOYEE
    Use change criteria       ===> N          (Y = Yes; N = No; M = Modify)
    Change criteria file      ===>
    Member name              ===>           (Blank or pattern for member list)
    Maximum invalid fields    ===> ALL       (ALL or number of invalid fields)
```

# Field Descriptions

### *Specify Execution Information:*

**Process online or batch**

Specify how you want to run the Compare utility:

**O** - Online (default).  Specify O (Online) to perform the comparison online and view results at your terminal.

**B -** Batch.  Specify B (Batch) to generate JCL and a compare criteria file for batch submission of your compare.

### *Specify Compare Criteria Information:*

**Compare Criteria Usage**

Specify one of the following valid entries:

**E -** Use existing compare criteria.  Enter a dataset name in the Compare criteria dataset field.

**T -** Create temporary compare criteria.  Temporary compare criteria is not automatically saved.  Use the SAVE primary command to retain temporary compare criteria.

**M -** Modify existing compare criteria. Enter a dataset name in the Compare criteria dataset field.  This also allows you to modify old style criteria and save the new style criteria to a file.

**Q** - Quick.  File-AID performs an unformatted full-record compare using all the defaults.

**N** - (Default) None -- is the same as T (Temporary).

**Compare criteria dataset**

Specify the name of the dataset containing existing criteria for options E and M.  This dataset is created online with option 10  (Compare) or you may code yourself per the specifications in the *File-AID/MVS Batch Reference Manual.*

You can enter a pattern dataset name in this field to display a list of datasets from which you can make a selection. A pattern dataset name or mask consists of explicit characters or a combination of explicit and pattern characters. You can also specify a member name, in parentheses, along with the dataset name in this field. For more information on specifying a dataset name, see "Pattern Dataset Names" on page 2-15 of the File-AID/MVS *Online Reference Manual.*

**Member name**

If the file is a partitioned dataset (PDS or PDS/E), enter the member name.
You can leave this field blank or enter a pattern member name in this field to display a list of members from which you can make a selection. A pattern member name or mask consists of explicit characters or a combination of explicit and pattern characters. See "Pattern Dataset Names" on page 2-15 of the File-AID/MVS *Online Reference Manual* for a complete description. You cannot enter a pattern name in both the Dataset name and Member fields at the same time.

### *Specify Optional File-AID/Data Solutions Change Criteria:*

You may specify optional Data Solutions changes criteria to age dates, convert currencies, translate, generate, encrypt/decrypt, or otherwise modify data from the Compare "OLD" file. The Compare mode must be Formatted to use this feature.

**Use change criteria**

Specify one of the following valid entries for File-AID/Data Solutions change criteria usage:

**Y** - Use existing or create new File-AID/Data Solutions Change criteria. Enter a file name in the File-AID/Data Solutions Change file name field.

**M** - Modify existing File-AID/Data Solutions Change criteria.  Enter a file name in the File-AID/Data Solutions Change file name field.

**N** - (Default) None.

**Change criteria file**

Specify the name of the File-AID/Data Solutions Change Criteria file containing existing criteria for options Y and M.  You may specify a pattern to display a list.

**Member name**

You can leave this field blank or enter a pattern member name in this field to display a list of members from which you can make a selection. A pattern member name or mask consists of explicit characters or a combination of explicit and pattern characters. See "Pattern Dataset Names" on page 2-15 of the File-AID/MVS *Online Reference Manual* for a complete description. You cannot enter a pattern name in both the Dataset name and Member fields at the same time.
If you enter a new member name or indicate Modify, File-AID displays the File-AID/Data Solutions Criteria Menu for you to specify your new criteria.

**Maximum invalid fields**

Specify ALL to have the Compare continue regardless of the number of fields that Data Solutions finds to be invalid, or specify a number of invalid fields at which Compare should stop.
After you have completed the fields on the this screen, press <Enter> to continue.

# Compare Criteria Options

The Compare Criteria Options screen, as shown in Figure 1-4, allows you to specify processing and output options for your formatted or unformatted compare. See "Compare Load Library Criteria" on page 1-12 for load library compares.

**Figure 1-4.**   Compare - Criteria Options Screen

```
 File-AID ---------------- Compare - Criteria Options ------------------------
 COMMAND ===>

 Specify Initial Compare Options:

 Compare type            ===> R   (S = Sorted/Keyed; R = ReadAhead; 1 = 1-to-1)

 Read-ahead record count ===> 100 (If type = R, specify read-ahead count)
 Read-ahead sequence     ===> E   (E= Enforce; I = Ignore)

 Records to compare      ===> ALL (All or maximum number of records)
 Differences to compare  ===> ALL (All or maximum number of differences)

 Modify print defaults   ===> N   (Y = Yes; N = No)
 Specify output criteria ===> N   (Y = Yes; N = No)

 Associate Corresponding ===> Y   (Associate like field names? Y=Yes; N=No)
   Ignore Prefix       OLD file ===>            NEW file ===>
   Ignore Suffix       OLD file ===>            NEW file ===>
```

## Field Descriptions

*Specify Initial Compare Options:*

**Compare type**

Specify one of the following valid entries:

**S:** Default for a keyed file.  Specify S (Sorted/Keyed) for a keyed or sorted file.

**R:** Default for a non-keyed file.  Specify R (ReadAhead) for a non-keyed or non-sorted file.

**1:** 1-to-1.  File-AID compares "OLD" record 1 to "NEW" record 1, "OLD" record 2 to "NEW" record 2, etc.

**Read-ahead record count**

When you specify ReadAhead as the Compare Type, enter a value in this field.

When comparing non-sorted files that are essentially in the same sequence (with a READ-AHEAD SEQUENCE of E), use this field to specify a number to use to resynchronize the records after inserted/deleted records are encountered. This number should be the estimated number of consecutive inserted/deleted records.

When comparing files not in the same sequence (with a READ-AHEAD SEQUENCE of I), use this field to specify the number of records to search forward or backward for the corresponding record.

**Read-ahead sequence**

Specify one of the following valid entries:

**E -** Enforce the statement that the records must occur in the same sequence in order to match.

**I -** Ignore the statement that the records must occur in the same sequence in order to match.

**Records to compare**

Specify the maximum number of records to be compared.  If you enter "ALL", File-AID compares all records.  A numeric value in this field places a limit on the total number of records that File-AID reads from both files.

**Differences to compare**

Specify the maximum changes, inserts, or deletes that you want to compare.  If you enter "ALL", File-AID compares all records.  A numeric value in this field helps to avoid a comparison of wrong datasets by placing a limit on the differences allowed before the compare process stops.

**Modify print defaults**

Specify whether you want to modify the print options.  Print option values are saved in your user profile. The default for a Formatted Compare is a Formatted Print. All other default values are the last print option values that you entered.

**Y** - Modify the print defaults.

**N** - (Default) Do not modify the print defaults.

**Specify output criteria**

Specify whether you want to display the Output Criteria screen.  You may use the Output Criteria screen to copy input records (OLD or NEW) to a maximum of six output files.

**Y** - Display the Output Criteria screen.

**N** - (Default) Do not display the Output Criteria screen.

**Associate Corresponding**

Specify Y (Yes -- default) if you want like or similarly-named fields to be associated automatically. Specify N (No) if you do not want these fields automatically associated.

**Ignore Prefix**

Specify the prefix(s) you want File-AID to ignore when matching field names to compare in the OLD and/or NEW file.

**Ignore Suffix**

Specify the suffix(s) you want File-AID to ignore when matching field names to compare in the OLD and/or NEW file.

After you have completed the fields on the this screen, press <Enter> to continue.

# Compare Load Library Criteria

The Compare Load Library Criteria screen, as shown in Figure 1-5, allows you to specify processing and output options for a load library compare.

**Figure 1-5.**   Compare Load Library Criteria Screen

```
File-AID ----------------- Compare - Load Library Criteria --------------------
COMMAND ===>

Use "S" to select member compare criteria:
 S  Module Name
 _  Load Module Size
 _  Entry Point
 _  Link Attributes
 _  Link Date

Use "S" to select CSECT compare criteria:
 _  CSECT Name
 _  CSECT Size
 _  Language
 _  CSECT Date
 _  IDR ZAP Data
 _  Text

Stop text compare threshold      ===> ALL      (All or maximum number of
                                                differences for a CSECT)
Specify CSECT selection criteria ===> N        (Y = Yes; N = No)
Modify print defaults            ===> N        (Y = Yes; N = No)
```

## Field Descriptions

### *Use "S" to select member compare criteria:*

Use the following fields to specify the load library member criteria that you want File-AID to use in the comparison.

**Module Name**

File-AID automatically selects the module (or member) name.  It is the minimum member criteria required for compare load libraries to execute.

**Load Module Size**

Enter an S to compare load module sizes.

**Entry Point**

Enter an S to compare load module entry point address.

**Link Attributes**

Enter an S to compare load module link attributes.

**Link Date**

Enter an S to compare load module link edit dates.

### *Use "S" to select CSECT compare criteria:*

Use the following fields to specify the CSECT compare criteria that you want File-AID to use in the comparison.  CSECT Name must be selected to use CSECT information in the criteria.

**CSECT Name**

Enter an S to compare CSECT names.  This field must be selected to compare on any of the following CSECT information.

**CSECT Size**

Enter an S to compare CSECT lengths.

**Language**

Enter an S to compare language types in which the CSECT is coded (i.e. Assembler, COBOL, C, PL/I, etc.).

**CSECT Date**

Enter an S to compare CSECT (compile/assembly) dates.

**IDR ZAP Data**

Enter an S to compare zap identification information.

**Text**

Enter an S to compare CSECT content, such as instructions or constants.

**Stop text compare threshold**

Specify ALL or a number from 0 to 99999 that specifies the maximum number of unlike bytes that File-AID includes on the Compare Detail Report for each CSECT.

The Stop text compare threshold is used to minimize the report print lines when instructions have been added/deleted near the beginning of a a CSECT. ALL or 0 eliminates a threshold.

**Specify CSECT selection criteria**

Specify Y (Yes) to display the CSECT Selection Criteria screen. The default is N (No) which compares all CSECTs.

E (Existing) is displayed as an option if an M was specified for the Compare criteria usage field on the Compare Executions Options screen and the compare criteria specified contains CSECT selection criteria. Specify an E to simply use the existing criteria. Specify Y to override the existing criteria or an N to compare all CSECTs.

**Modify print defaults**

Specify whether you want to modify the print options for the Compare Report. Print option values are saved in your user profile. Valid entries are Y (Yes) and N (No). All default print option values are the last print option values that you entered for the load library compare.

# Load Library CSECT Selection List

The Compare Load Library CSECT Selection screen, as shown in Figure 1-6, enables you to specify the CESCT selection options for a load library compare. If a CSECT list and dataset information are both provided, File-AID ignores the dataset specification information.

**Figure 1-6.** Compare Load Library CSECT Selection Screen

```
   File-AID ---------- Compare - Load Library CSECT Selection -------------------
   COMMAND ===>

    CSECT selection list ===> I          (I = Include; E = Exclude)

   Specify CSECT List:
    Dataset name        ===>
    Member name         ===>              (Blank or pattern for member list)
    List                ===> _____
    _____

    If list is provided, dataset specification is not used

    List may be CSECT-prefix*, CSECT range or full CSECT name. EX: IGZ*,CEE*
```

## Field Descriptions

**CSECT selection list**

Specify whether the CSECT selection list indicates the CSECTs that should be compared (included) or not compared (excluded). Valid entries are I (Include -- default) and E (Exclude).

*Specify CSECT List:*

Enter the dataset and member name for an existing CSECT selection list or enter a list of CSECT names to identify CSECT(s) for inclusion or exclusion in the Compare processing.

**Dataset name**

(Optional) Enter the dataset name of an existing CSECT selection list file.

**Member name**

For a PDS/PDSE, specify the member name or you may leave this field blank or enter a pattern to display a member list.

**List**

Enter a list of CSECT names or prefixes that identify the CSECT(s) you either want to include or exclude from the compare. List may be CSECT-prefix*, CSECT range or full CSECT name. CSECT names should be separated by a comma (no space) or a hyphen (no space) to indicate a range of CSECTs.

A prefix is explicit characters followed by an asterisk (*).

  EX: IGZ*,CEE*

# Print Options

The Compare Print options provide flexible reporting capabilities for the Compare Report. These screens are displayed if you specified Y in the Modify print defaults field on the Compare Criteria Options screen.

## Compare Print Options Page 1

The Compare Print Options screen, shown in Figure 1-7, enables you to specify the print format, the maximum differences to report, and which type of records to print. This screen is displayed when you specify a Y in the Modify print defaults field on the Compare - Criteria Options screen for a formatted or unformatted compare. For a load library compare, see "Compare Load Library Print Options" on page 1-20.

**Figure 1-7.**  Compare - Print Option (Page 1) Screen

```
 File-AID ------------ Compare - Print Options (Page 1 ) -----------------------
 COMMAND ===>

 Specify initial print options:

   Print format                   ===> C    (H = Hex; C = Char; M = Mixed)

   Max differences to report      ===> ALL  (All or maximum number to report)

   Print CHANGED  records         ===> Y    (Y = Yes; N = No)
   Print INSERTED records         ===> Y    (Y = Yes; N = No)
   Print DELETED  records         ===> Y    (Y = Yes; N = No)
   Print MATCHED  records         ===> Y    (Y = Yes; N = No)
               (a Summary Report is ALWAYS generated)

   PDS report options             ===> B    (M = Member name report;
                                             D = Detail report; B = Both)

   MEMBER name report columns     ===> 8    ( 1 - 8 print columns)
```

## Field Descriptions

*Specify Initial Print Options:* The values specified for the options on this screen are saved in your user profile. Subsequent compare reports use the last values that were entered even if you do *not* return to this screen.

**Print format**

Specify the print format:

**F** - Formatted (This option is the default for a Formatted compare and not available for an Unformatted compare.)

**H** - Three-line hexadecimal

**C** - Single-line character (default for Unformatted Compare).

**M** - Mixed. Valid character data is printed as characters and unprintable data is printed in hexadecimal.

**Max differences to report**

Specify a number to limit the maximum number of differences to report. A numeric value in this field guards against excessive output. The default is ALL. A value of zero reports all differences (the same as ALL).

**Print CHANGED records**

Specify Y (Yes) to print or N (No) to suppress printing the changed records. The default is Y (Yes).

**Print INSERTED records**

Specify Y (Yes) to print or N (No) to suppress printing the inserted records. The default is Y (Yes).

**Print DELETED records**

Specify Y (Yes) to print or N (No) to suppress printing the deleted records. The default is Y (Yes).

**Print MATCHED records**

Specify Y (Yes) to print or N (No) to suppress printing the matched records. The default is N (No).

**Note:**   Even if you specify No for the above four options, a Summary Report is generated.

*PDS Compare*

For a PDS Compare only, the following Print Options are presented:

**PDS report options**

Specify one of the following valid entries:

**M -** Member name report.  Prints a member name report that lists the PDS members in column format and flags the compare results by member name.

**D -** Detail report.  Prints the standard Compare Detail report for each member compared.

**B -** Both (default).  Prints both the Member name report and the standard Compare Detail report.

**MEMBER name report columns**

Specify the number of print columns to use for the format of the Member Name report.  Valid entries are 1 to 8.  The default is 8.

After you have completed the fields on the Compare Print Options screen, press <Enter> to continue.

# Compare Print Options Page 2 of 2 - Formatted

The Compare Print Options screen, shown in (Figure 1-8), enables you to specify the format of the report.  This screen is displayed when you press <Enter> on the Compare Print Options (Page 1) screen when an F is specified in the Print format field.

**Figure  1-8.**   Compare Print Option (Page 2 of 2) - Formatted Screen

```
   File-AID ------------ Compare - Print Options (Page 2 of 2) -------------------
   COMMAND ===>




  Specify print options for formatted reports:

    Formatted Report Option    ===> C        ( E = Entire Report;
                                               A = All Associated Fields;
                                               C = Compared Fields Only)

    Compared Fields Option     ===> A        ( A = Print All Fields;
                                               C = Print Changed Fields Only)

    Field Statistics Report    ===> N        ( Y = Yes; N = No)
```

## Field Descriptions

*Specify print options for formatted reports:*

**Formatted Report Option**

Specify the Formatted Report print format:

**E** - Print the entire report (default).

**A** - Print all associated fields (compared and "Print Only" fields).

**C** - Print only the compared fields (includes Sync/Key fields).

**Compared Fields Option**

Enter A (Print All Fields) to print all fields that are selected for comparison or C (Print Changed Fields Only) to print only the fields that are selected for comparison and are changed.

**Field Statistics Report**

Enter Y (Yes) to create a list of compared fields and report the number of times changes were found for that field and the percentage that this field's changes represent of the total number of changed records. Use N (No) to suppress this report.

After you have completed the fields on the Compare Print Options screen, press <Enter> to continue.

# Compare Print Options Page 2 of 3 - Unformatted

The Compare Print Options Page 2 of 3 screen, shown in Figure 1-9, enables you to specify report style and sequence options for the HEX, CHAR, or MIXED reports and Condensed report style options. This screen is displayed when you press <Enter> on the Compare Print Options (Page 1) screen and an H (Hex), C (Character), or M (Mixed) is specified in the Print format field.

**Figure 1-9.** Compare Print Options (Page 2 of 3) - Unformatted Screen

```
   File-AID ------------ Compare - Print Options (Page 2 of 3) -------------------
   COMMAND ===>



   Specify options for HEX, CHAR, or MIXED reports:

     Unformatted Report Style        ===> C    (U = Ultra-condensed;
                                                C = Condensed; S = Standard)
     OLD/NEW Print Sequence          ===> G    (G = Grouped; A = Alternating)

     Modify C/U Report Style         ===> Y    (Y = Yes; N = No)
```

## Field Descriptions

*Specify options for HEX, CHAR, or MIXED reports:*

**Unformatted Report Style**

Specify the report style to print:

**U** - (Default) Ultra-condensed report style produces the minimum number of report print lines. It also enables you to specify additional print report options listed on the Compare - Print Options (Page 3 of 3) screen.

**S** - Standard report style is the full Compare report.

**C** - Condensed report style has reduced heading lines and enables you to specify the additional options listed on the Compare - Print Options (Page 3 of 3) screen.

### OLD/NEW Print Sequence

Specify the print sequence for OLD and NEW records:

**G** - Print entire OLD record before printing corresponding NEW record.

**A** - Alternate print lines between OLD and NEW records for each 100 positions.

### Modify C/U Report Style

Enter Y (Yes) to specify additional report options for the ultra-condensed or condensed report styles on Print Options - Page 3.  Use N (No) to accept the defaults (or prior settings).

After you have completed the fields on the Compare Print Options screen, press <Enter> to continue.

## Compare Print Options Page 3 of 3 - Unformatted

The Compare Print Options Page 3 of 3 screen, shown in Figure 1-9, enables you to specify report style options for the Condensed and Ultra-condensed report style options. This screen is displayed when you specify a Y in the Modify C/U Report Style field in the Compare Print Options Page 2 of 3 screen and press <Enter>.

**Figure 1-10.**   Compare - Print Options (Page 3 of 3) - Unformatted Screen

```
 File-AID ------------ Compare - Print Options (Page 3 of 3) -------------------
COMMAND ===>

Specify record content to print:
  Changed records        ===> R     (R = Record)
  Inserted records       ===> R
  Deleted records        ===> R
  Matched records        ===> R
  Print "RULER"          ===> T     (T = Top of page; A = Always; N = Never)

Specify data to print for changed records:
  Suppress print lines that do not contain changes  ===> Y  (Y = Yes, N = No)
  Print only changed data for the new record        ===> N  (N = No)

Specify data flag line options:
  Underline changes                    ===> B  (B = Both)
  Underline key or sync field          ===> B
  CHANGED data underline character     ===> _
  Key or sync field underline character ===> #

 The above options are reset to default values if report style is changed
```

### Field Descriptions

#### *Specify record content to print:*

Specify a valid print option value for CHANGED, INSERTED, DELETED, and MATCHED records. Valid print option values for the next four fields are:

**K** - Print sync key data.

**R** - Print entire record.

**B** - Print both sync key data and entire record.

**Changed records**

Specify a valid print option value (K, R, or B).

**Inserted records**

Specify a valid print option value (K, R, or B).

**Deleted records**

Specify a valid print option value (K, R, or B).

**Matched records**

Specify a valid print option value (K, R, or B).

**PRINT "RULER" (T)op of page, (A)lways or (N)ever**

Specify how you want your ruler line to print in your Compare report:

**T** - Only prints at the top of page.

**A** - Always prints the ruler for every inserted, deleted, and matched record, and every pair of changed records.

**N** - Never. Does not print a ruler.

### *Specify data to print for changed records:*

**Suppress print lines that do not contain changes**

Specify Y (Yes - default) to print only the lines that contain changes and/or key or sync fields. Specify N (No) to print all lines.

**Note:** This parameter does not recognize key or sync fields with a blank underline character.

**Print only changed data for the new record**

Specify Y (Yes) to print only the changed data for the new record and blanks for the unchanged data. Specify N (No) to print the entire new record content.

### *Specify data flag line options:*

Specify a data flag valid option value for Underline changes and Underline key or sync field. Valid option values for the next two fields are:

**O** - (OLD) Underline changes/key or sync field in OLD record.

**N** - (NEW) Underline changes/key or sync field in NEW record.

**B** - (Both) Underline changes/key or sync field in both OLD and NEW records.

**blank** - (Neither) Do not underline changes/key or sync fields in either the OLD or NEW record.

**Underline changes**

Specify an O, N, B, or a blank.

**Underline key or sync field**

Specify an O, N, B, or a blank.

**CHANGED data underline character**

Specify a character to underline the changed data. The default is an underscore ( _ ).

**Key or sync field underline character**

Specify a character to underline the key or sync field(s). The default is the pound sign ( # ). To suppress the underline character, enter a blank in this field or the Underline key or sync field.

If you decide to change report styles after you have set the print options on this screen, recheck the values for these options since they are set to the defaults. After you have completed the fields on the Compare Print Options screen, press <Enter> to continue.

# Compare Load Library Print Options

The Compare Load Library Print Options screen, shown in Figure 1-11, enables you to specify what you want to include in the reports and which reports to print. This screen is displayed when you specify a Y in the Modify print defaults field on the Compare - Load Library Criteria screen.

**Figure 1-11.** Compare Load Library Print Options Screen

```
   File-AID ------------ Compare - Load Library Print Options --------------------
   COMMAND ===>

   Specify Detail Report Print Options:
     Print detail report            ===> Y    (Y = Yes; N = No)
     Print member summary report    ===> Y    (Y = Yes; N = No)

     Print CHANGED  members         ===> Y    (Y = Yes; N = No)
     Print INSERTED members         ===> Y    (Y = Yes; N = No)
     Print DELETED  members         ===> Y    (Y = Yes; N = No)
     Print MATCHED  members         ===> Y    (Y = Yes; N = No)
                (a Summary Report is ALWAYS generated)

   Specify Member Name Report Print Options:
     Print member name report       ===> Y    (Y = Yes; N = No)
     Member name report columns     ===> 8    (1 - 8 print columns)
```

## Field Descriptions

### Specify Detail Report Print Options:

**Print detail report**

Enter a Y (Yes) to include the details specified on Load Library Criteria screen in the Compare Report.  Use N (No) to suppress the Compare Detail Report.

**Print member summary report**

Enter a Y (Yes) to print a summary of differences by member.  Use N (No) to suppress the Load Library Member Summary Report.

**Print changed members**

Specify Y (Yes -- default) to print or N (No) to suppress printing the changed members.

**Print inserted members**

Specify Y (Yes -- default) to print or N (No) to suppress printing the inserted members.

**Print deleted members**

Specify Y (Yes -- default) to print or N (No) to suppress printing the deleted members.

**Print matched members**

Specify Y (Yes -- default) to print or N (No) to suppress printing the matched members.

Even if you suppress printing the CHANGED, INSERTED, DELETED, and MATCHED members, Compare always generates a Summary Report.

*Specify Member Name Report Print Options:*

**Print member name report**

Enter Y (Yes) to print a list of the members processed and their status (changed, inserted, deleted, or matched). Use N (No) to suppress the Member Name Report.

**Member name report columns**

Specify the number of columns to use for the Member Name Report. Valid entries are 1-8.

After you have completed the fields on the Compare Load Library Print Options screen, press <Enter> to continue.

# Output Criteria

The Compare Output Options screen (Figure 1-12) enables you to specify the output file options for your compare. This screen is displayed if you specified Y in the Specify output criteria field on the Compare Criteria Options screen.

**Figure 1-12.** Compare - Output Options Screen

```
  File-AID ---------------- Compare - Output Options --------------------------
  COMMAND ===>


    Specify file number (1-6) and enter dataset names to write records:
    OLD Deleted  ===>                              NEW Inserted ===>
    OLD Changed  ===>                              NEW Changed  ===>
    OLD Matched  ===>                              NEW Matched  ===>



    File 1 Name   ===>
         Member ===>                   Volume ===>        Disp ===> OLD
    File 2 Name   ===>
         Member ===>                   Volume ===>        Disp ===> OLD
    File 3 Name   ===>
         Member ===>                   Volume ===>        Disp ===> OLD
    File 4 Name   ===>
         Member ===>                   Volume ===>        Disp ===> OLD
    File 5 Name   ===>
         Member ===>                   Volume ===>        Disp ===> OLD
    File 6 Name   ===>
         Member ===>                   Volume ===>        Disp ===> OLD
```

## Field Descriptions

**Specify file number (1-6) and enter dataset names to write records:**

OLD Deleted
OLD Changed
OLD Matched
NEW Inserted
NEW Changed
NEW Matched

You may direct any (or all) of the above compare records (or members for a PDS) types to one of the six output files by entering a number 1-6 in the compare type and then entering the corresponding output file information below.

*File 1-6*

**Name**

Enter the dataset name of the file.

**Member**

Enter the member name for the PDS.  If this field is left blank for a PDS compare, then each output member name is copied from each input member name.

**Volume**

Specify a volume serial number for an uncataloged dataset.

**Disp**

Specify the disposition of the file.  Valid entries are:

**OLD**

(Default)  Existing file in which the entire file is replaced.

**NEW**

When New is specified, you are prompted to allocate the file online.  Once the file is allocated, File-AID changes the Disp to OLD.

**MOD**

Existing file in which the new data is added to the end of the file.

After you have completed the fields on the this screen, press <Enter> to continue.

# Compare Unformatted Criteria

The Compare Unformatted Criteria screen (Figure 1-13) enables you to specify field criteria for your compare.  For the OLD and NEW field TYPE, the two field types must be the same or you may mix Binary, Packed, or Zoned data.  When the NEW information is left blank, File-AID defaults to the OLD information.

**Figure  1-13.**   Compare - Unformatted Criteria Screen

```
  File-AID ----------- Compare - Unformatted Criteria --------------------------
  COMMAND ===>                                                  SCROLL ===> PAGE
       OLD                    NEW
  Cmd  Pos.    Length Type    Pos.    Length Type    Status Display

   _    1       80     C       1       80     C      SYNCKEY,UNSORTED
   _    1       80     C       1       80     C      COMPARISON FIELD
   _  _____   _____   __     _____   _____   __
   _  _____   _____   __     _____   _____   __
   _  _____   _____   __     _____   _____   __
   _  _____   _____   __     _____   _____   __
   _  _____   _____   __     _____   _____   __
   _  _____   _____   __     _____   _____   __
   _  _____   _____   __     _____   _____   __
   _  _____   _____   __     _____   _____   __
   _  _____   _____   __     _____   _____   __
   _  _____   _____   __     _____   _____   __
   _  _____   _____   __     _____   _____   __
   _  _____   _____   __     _____   _____   __
   _  _____   _____   __     _____   _____   __
   _  _____   _____   __     _____   _____   __
  Cmd: S = Sync/Key, T = Tolerance, C = Compare, R = Reset
```

# Field Descriptions

**Cmd**

The following commands are valid in this field:

**S** - Use these positions as a sync key and display Sorted Sync/Key Specification pop-up if sorted Compare.

**T** - Display Tolerance Value/Percentage Specification pop-up.

**C** - Select field for comparison.

**R** - Clears (resets) the line.

**OLD Pos/NEW Pos**

Specify the starting position of the field within the record (relative to 1).

**Length**

Specify the number of bytes in the field.

**Type**

Specify one of the following valid types for the field:

**B** - Unsigned binary.

**BS** - Signed binary.

**C** - Character.

**D** - DBCS (graphic).

**F** - Floating point.

**P** - Unsigned Packed.

**PS** - Signed packed.

**T** - Bit.

**Z** - Unsigned zoned decimal (display numeric).

**ZS** - Signed zoned decimal (display numeric).

**Status Display**

Displays the Compare options set for this field.

# Sync/Key Pop-up

The Sorted Sync/Key Specification pop-up (Figure 1-14) enables you to specify the key order and direction for the selected position (or field). This screen is displayed when you enter "S" in the Cmd field on the Unformatted Criteria screen.

A synchronization key is a key field, which you define within File-AID, to synchronize the input records of either sorted or non-sorted files for comparison. Sorted key screens (formatted and unformatted) are used with files that are keyed or pre-sorted.

**Figure  1-14.**   Sorted Sync/Key Specification - Unformatted Screen

```
   File-AID ----------- Compare - Unformatted Criteria -------------------------
   C +-------------------- Sorted Sync/Key Specification --------------------+
     |                                                                       |
     |   Command ===>                                  (End, Cancel, Help)   |
     |                                                                       |
     |   OLD Position: 1     Length: 5                                       |
     |   NEW Position: 1     Length: 5                                       |
     |                                                                       |
     |   Specify field order number      ===> 1   (1 - 256)                 |
     |   Specify file sequence direction ===> A   (A=Ascending; D=Descending)|
     |                                                                       |
     +-----------------------------------------------------------------------+
       _   _____   _____   __    _____   _____   __
       _   _____   _____   __    _____   _____   __
       _   _____   _____   __    _____   _____   __
       _   _____   _____   __    _____   _____   __
       _   _____   _____   __    _____   _____   __
       _   _____   _____   __    _____   _____   __
       _   _____   _____   __    _____   _____   __
       _   _____   _____   __    _____   _____   __
       _   _____   _____   __    _____   _____   __
   Cmd: S = Sync/Key, T = Tolerance, C = Compare, R = Reset
```

## Field Descriptions

**OLD Position/NEW position**

Starting position of the field within the record (relative to 1).

**Length (OLD/NEW)**

Number of bytes in the field.

**Specify field order number**

Specify a number from 1 to 256 which indicates this key field's place in the hierarchy of key fields.

**Specify file sequence direction**

Specify the field sequence direction for this key field.

**A** - Ascending

**D** - Descending

After you have completed the fields on this screen, use END (PF3) to return to the Unformatted Criteria screen. Use CANCEL to return to the Unformatted Criteria screen without specifying the sorted sync/key information.

## Tolerance Pop-up

The Tolerance Value/Percentage Specification pop-up (Figure 1-15) enables you to specify a tolerance amount or percentage for a numeric field that File-AID uses to determine "close-enough" matches for your compare.  When you have completed this window, press <PF3> to proceed.  Enter CANCEL to return to the Unformatted Criteria screen without entering a tolerance value/percentage.

**Figure  1-15.**   Tolerance Value/Percentage Specification - Unformatted Screen

```
 File-AID ----------- Compare - Unformatted Criteria -------------------------
 C +------------- Tolerance Value/Percentage Specification -------------+ GE
   |                                                                     |
   |   Command ===>                              (End, Cancel, Help)     |
   |                                                                     |
   |   OLD Position: 87        Length: 6     Type: ZONED                 | NG
   |   NEW Position: 87        Length: 6     Type: ZONED                 |
   |                                                                     |
   |   Specify tolerance value/percent ===>                             |
   |                                                                     |
   +---------------------------------------------------------------------+
    _   _____  _____   __   _____  _____   __
    _   _____  _____   __   _____  _____   __
    _   _____  _____   __   _____  _____   __
    _   _____  _____   __   _____  _____   __
    _   _____  _____   __   _____  _____   __
    _   _____  _____   __   _____  _____   __
    _   _____  _____   __   _____  _____   __
    _   _____  _____   __   _____  _____   __
    _   _____  _____   __   _____  _____   __
    _   _____  _____   __   _____  _____   __
    _   _____  _____   __   _____  _____   __
 Cmd: S = Sync/Key, T = Tolerance, C = Compare, R = Reset
```

## Field Descriptions

### OLD Position/NEW Position

Record position for which you are setting the tolerance amount/percentage (relative to 1).

### Length (OLD/NEW)

Number of bytes in the field as specified on the Compare Unformatted Criteria screen.

### Type

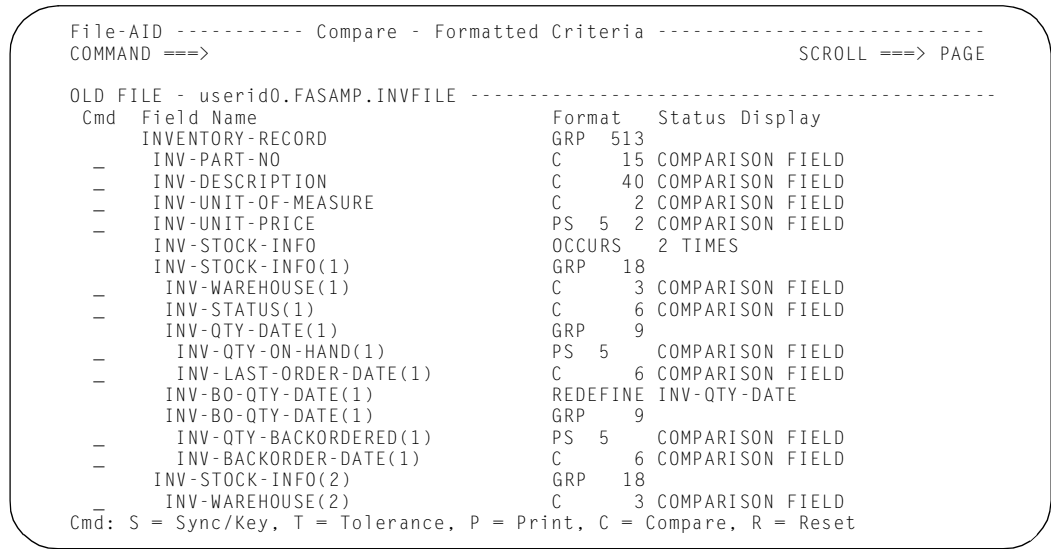Data type as specified on the Compare Unformatted Criteria screen.

### Specify tolerance value/percentage

Specify a numeric tolerance value/percentage for File-AID to use to determine "close-enough" matches for your compare.  The tolerance value is limited to the most precise field (the number of integers) Valid tolerance percentages are 000.001 through 999.999.

# Formatted Criteria

The Compare Formatted Criteria screen (Figure 1-16) enables you to specify field criteria for your compare. File-AID displays the Formatted Criteria screen only when the OLD and NEW files use the same record layout.

**Figure 1-16.** Compare - Formatted Criteria Screen

```
  File-AID ----------- Compare - Formatted Criteria ----------------------------
  COMMAND ===>                                                SCROLL ===> PAGE

  OLD FILE - userid0.FASAMP.INVFILE --------------------------------------------
  Cmd  Field Name                          Format    Status Display
       INVENTORY-RECORD                    GRP   513
    _    INV-PART-NO                        C      15 COMPARISON FIELD
    _    INV-DESCRIPTION                    C      40 COMPARISON FIELD
    _    INV-UNIT-OF-MEASURE               C       2 COMPARISON FIELD
    _    INV-UNIT-PRICE                    PS  5  2 COMPARISON FIELD
         INV-STOCK-INFO                    OCCURS    2 TIMES
         INV-STOCK-INFO(1)                 GRP    18
    _     INV-WAREHOUSE(1)                 C       3 COMPARISON FIELD
    _     INV-STATUS(1)                    C       6 COMPARISON FIELD
          INV-QTY-DATE(1)                  GRP    9
    _      INV-QTY-ON-HAND(1)              PS  5    COMPARISON FIELD
    _      INV-LAST-ORDER-DATE(1)          C       6 COMPARISON FIELD
          INV-BO-QTY-DATE(1)               REDEFINE INV-QTY-DATE
          INV-BO-QTY-DATE(1)               GRP    9
    _      INV-QTY-BACKORDERED(1)          PS  5    COMPARISON FIELD
    _      INV-BACKORDER-DATE(1)           C       6 COMPARISON FIELD
         INV-STOCK-INFO(2)                 GRP    18
    _     INV-WAREHOUSE(2)                 C       3 COMPARISON FIELD
  Cmd: S = Sync/Key, T = Tolerance, P = Print, C = Compare, R = Reset
```

## Field Descriptions

**Cmd**

The following commands are valid in this field. T, C, and P are not valid for a Sync/Key field.

**S** - Use this field as a sync/key and display Sorted Sync/Key Specification pop-up if sorted Compare.

**T** - Display Tolerance Value/Percentage Specification pop-up.

**P** - Set field to print only (shows on report but does not compare field).

**C** - Select field for comparison (default).

**R** - Resets the Status Display field to blanks.

**Field Name**

Name of field as specified in the record layout.

**Format**

Field format as specified in the record layout.

**Status Display**

Displays the Compare options set for this field.

## Associate Field Names

The Compare - Associate Field Names screen (Figure 1-17 on page 1-27) enables you to associate field names between the old and new files for comparison. File-AID displays this screen only when the OLD and NEW files use different record layouts. The field associations and commands are specified in the lower half of the panel.

**Figure  1-17.**   Compare - Associate Field Names Screen

```
  File-AID ----------- Compare - Associate Field Names ------------------------
  COMMAND ===>                                           SCROLL ===> PAGE
  Specify field associations and commands in lower half of panel:
  OLD FILE - userid0.FASAMP.COMPARE ---------------------------------------------
    Num Field Name                        Format   Status Display
      1 EMPLOYEE-MASTER-FILE              GRP  198
      2 EMP-NUMBER                        C      5 SYNCKEY,ORDER=001,ASCENDING
      3 EMP-LAST-NAME                     C     15 COMPARISON FIELD
      4 EMP-FIRST-NAME                    C     10 COMPARISON FIELD
      5 EMP-MID-INIT                      C      1 COMPARISON FIELD
      6 FILLER                            C      2
      7 EMP-TITLE                         C     30 COMPARISON FIELD
      8 EMP-PERSONAL-INFO                 GRP   23
  NEW File - 'userid0.FASAMP.EMPLOYEE' ------------------------------------------
    Num Field Name                        Format   OLD /num or /field-name  |Cmd
      1 EMPLOYEE-MASTER-FILE              GRP  198
      2 EMP-NUMBER                        C      5 /EMP-NUMBER               | _
      3 EMP-LAST-NAME                     C     15 /EMP-LAST-NAME            | _
      4 EMP-FIRST-NAME                    C     10 /EMP-FIRST-NAME           | _
      5 EMP-MID-INIT                      C      1 /EMP-MID-INIT             | _
      6 FILLER                            C      2 _____         | _
      7 EMP-TITLE                         C     30 /EMP-TITLE                | _
      8 EMP-PERSONAL-INFO                 GRP   23                           |
  Cmd: S = Sync/Key, T = Tolerance, P = Print, C = Compare, R = Reset
```

## Field Descriptions

**OLD FILE/NEW FILE**

Displays the file dataset and member name.

**Num**

Number that corresponds to the OLD FILE or NEW FILE field name.

**Field Name**

Field name from the record layout.

**Format**

Field format from the record layout.

**Status Display**

Displays the Compare options set for this field.

**OLD /num or /field-name**

Enter  a slash followed by the number or field-name to associate the OLD FILE field with the NEW FILE field.

**Cmd**

Enter one of the following valid commands:

**S** - Use this field as a sync/key and display Sorted Sync/Key Specification pop-up if sorted compare.

**T** - Display Tolerance Value/Percentage Specification pop-up.

**P** - Select field for print only (not comparison).

**C** - Select field for comparison.

**R** - Disassociates the two fields and resets the Status Display field to blanks.

# Select XREFs

The Select XREFs screen, shown in Figure 1-18, is displayed when the OLD and NEW files use the same XREF and layout.  You must select at least one XREF member to proceed.  Once you have made your selection and pressed <Enter>, File-AID displays the Compare - Formatted Criteria screen.

**Figure 1-18.** Compare - Select XREFs Screen

```
   File-AID ----------------- Compare - Select XREFs ----------------------------
   COMMAND ===>                                              SCROLL ===> PAGE

   Select XREFs for compare:
                                        Process all: _ (S=select; U=unselect)
   XREF - userid0.FASAMP.XREF(ORDRFILE)

     S Member     Beginning Data-Name              Description    Type    Status
     - ---------- ------------------------------- --------------- ------- --------
       ORDERPO    ORDER-LINE-DATA-PO               PO LINE DATA   BASE    SELECTED
       ORDERSC    ORDER-LINE-DATA-SC               SC LINE DATA___ BASE
       ORDERWO    OUTSIDE-VENDOR-WORK-ORDER        WORK ORDER - OV BASE
       ORDERWO    INTERNAL-WORK-ORDER              WORK ORDER - IN DEFAULT
   ***************************** BOTTOM OF DATA ********************************
```

## Field Descriptions

**Process All**

**S** - Selects all members for processing.

**U** - Unselects all members.

**S**

XREF member Selection field.  Valid entries are S (Select) or U (Unselect).

**Member**

Record layout member name.

**Beginning Data-Name**

Starting dataname of the record layout.

**Description**

Short description of the record layout entered by user when XREF was created.

**Type**

Type of layout (BASE, DEFAULT, or SEGMENT).

**Status**

Displays SELECTED when the XREF member is selected for comparison.  Blank indicates the layout is not selected.

# Associate XREFs

The Compare - Associate XREFs screen (Figure 1-19) enables you to associate XREF members between the OLD and NEW files you are comparing.  File-AID displays this screen when the OLD and NEW files have different XREFs and/or different record layouts.

Each data file record is classified into a record type category based on certain field values within the record. In File-AID, these field or data values and their record layouts are associated when the XREF is defined. See Chapter 17, "Record Layout Cross Reference (7)" of the File-AID/MVS *Online Reference Manual*.

**Figure  1-19.**   Compare - Associate XREFs Screen

```
 File-AID -------------- Compare - Associate XREFs ---------------------------
 COMMAND ===>                                                SCROLL ===> PAGE
 Specify NEW XREF number next to the OLD XREF you wish to compare to:
 ******************************************************************************
     OLD File XREF - userid0.FASAMP.XREF(ORDRFILE)
 Num  Member      Beginning Data-Name              Description     Type    Status
 ____ ORDERPO     ORDER-LINE-DATA-PO               PO LINE DATA    BASE
 ____ ORDERSC     ORDER-LINE-DATA-SC               SC LINE DATA___ BASE
 ____ ORDERWO     OUTSIDE-VENDOR-WORK-ORDER        WORK ORDER - OV BASE
 ____ ORDERWO     INTERNAL-WORK-ORDER              WORK ORDER - IN DEFAULT
 **************************** BOTTOM OF DATA *******************************

 ******************************************************************************
     NEW File XREF - userid0.FASAMP.XREF(ORDRFILE)
 Num  Member      Beginning Data-Name              Description     Type    Status
  1   ORDERPO     ORDER-LINE-DATA-PO               PO LINE DATA    BASE
  2   ORDERSC     ORDER-LINE-DATA-SC               SC LINE DATA___ BASE
  3   ORDERWO     OUTSIDE-VENDOR-WORK-ORDER        WORK ORDER - OV BASE
  4   ORDERWO     INTERNAL-WORK-ORDER              WORK ORDER - IN DEFAULT
 **************************** BOTTOM OF DATA *******************************

 ******************************************************************************
 Specify NEW XREF Number, S to alter/redisplay associated pair or U to Unselect
```

## Field Descriptions

**OLD File XREF**

Specifies the OLD file dataset and member name.

**Num**

Enter the number to correspond the OLD XREF member and Beginning Data-Name with the NEW XREF member and Beginning Data-Name.  You may enter Multiple NUMs at a time.  Or, you may specify:

**S** - Alter or redisplay the associated pair.

**U** - Unselects the associated pair and clears the fields you set for comparison.

**Member**

Record layout member name.

**Beginning Data-Name**

Starting dataname of the record layout.

**Description**

Short description of the record layout entered by user when XREF was created.

**Type**

Type of layout (BASE, DEFAULT, or SEGMENT).

**Status**

Displays NEW=nnnn (where nnnn indicates the corresponding NEW file layout) when the layout is selected for comparison. Blank indicates the layout is not selected.

**NEW File XREF**

Specifies the NEW file dataset and member name.

**Num**

Entry number of the NEW XREF member and Beginning Data-Name.

**Member**

Record layout member name.

**Beginning Data-Name**

Starting dataname of the record layout.

**Description**

Short description of the record layout entered by user when XREF was created.

**Type**

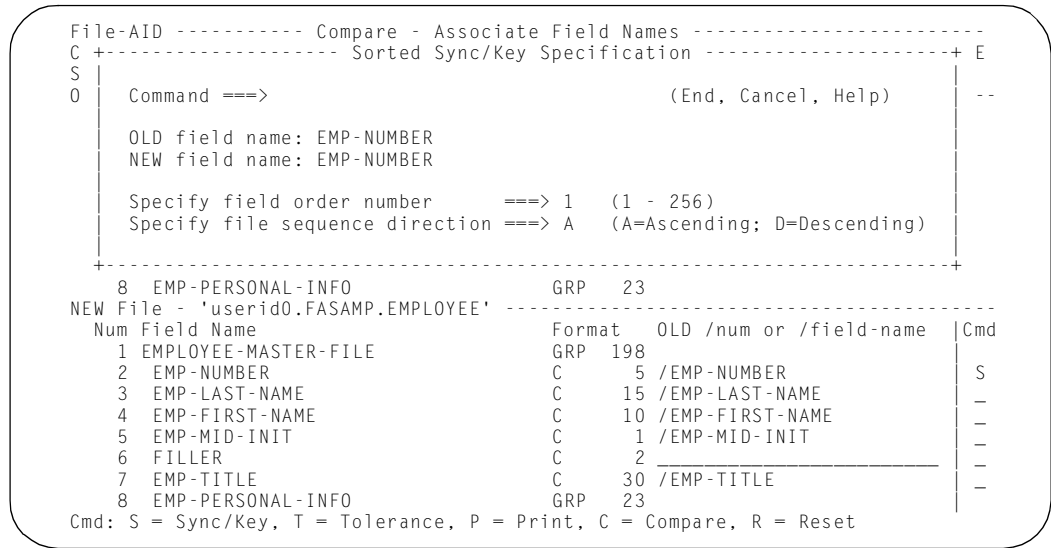Type of layout (BASE, DEFAULT, or SEGMENT).

**Status**

Displays OLD=nnnn (where nnnn indicates the corresponding OLD file layout) when the layout is selected for comparison. Blank indicates the layout is not selected.

# Sync/Key Pop-up

The Sorted Sync/Key Specification pop-up (Figure 1-20) enables you to specify the key order and direction for the selected field (or position). This screen is displayed when you enter "S" in the Cmd field on the Formatted Criteria screen.

A synchronization key is a key field, which you define within File-AID, to synchronize the input records of either sorted or non-sorted files for comparison. Sorted key screens (formatted and unformatted) are used with files that are keyed or pre-sorted.

**Figure 1-20.** Sorted Sync/Key Specification Screen

```
   File-AID ----------- Compare - Associate Field Names -----------------------
  C +------------------- Sorted Sync/Key Specification --------------------+ E
  S |                                                                       |
  O |   Command ===>                                  (End, Cancel, Help)   |  --
    |                                                                       |
    |   OLD field name: EMP-NUMBER                                          |
    |   NEW field name: EMP-NUMBER                                          |
    |                                                                       |
    |   Specify field order number      ===> 1    (1 - 256)                |
    |   Specify file sequence direction ===> A    (A=Ascending; D=Descending) |
    |                                                                       |
    +-----------------------------------------------------------------------+
      8  EMP-PERSONAL-INFO              GRP   23
   NEW File - 'userid0.FASAMP.EMPLOYEE' ----------------------------------------
    Num Field Name                      Format    OLD /num or /field-name  |Cmd
      1 EMPLOYEE-MASTER-FILE            GRP  198                            |
      2  EMP-NUMBER                     C     5  /EMP-NUMBER                |  S
      3  EMP-LAST-NAME                  C    15  /EMP-LAST-NAME             |  _
      4  EMP-FIRST-NAME                 C    10  /EMP-FIRST-NAME            |  _
      5  EMP-MID-INIT                   C     1  /EMP-MID-INIT              |  _
      6  FILLER                         C     2  _____         |  _
      7  EMP-TITLE                      C    30  /EMP-TITLE                 |  _
      8  EMP-PERSONAL-INFO              GRP   23                            |
   Cmd: S = Sync/Key, T = Tolerance, P = Print, C = Compare, R = Reset
```

### Field Descriptions

**OLD field name/NEW field name**

Name of field selected for Sync/Key specification.

**Specify field order number**

Specify a number from 1 to 256 which indicates this key field's place in the hierarchy of key fields.

**Specify file sequence direction**

Specify the field sequence direction for this key field.

**A** - Ascending

**D** - Descending

After you have completed the fields on this screen, use END (PF3) to return to the Formatted Criteria screen. Use CANCEL to return to the Formatted Criteria screen without specifying the sorted sync/key information.

## Tolerance Pop-up

The Tolerance Value/Percentage Specification pop-up (Figure 1-21) enables you to specify a tolerance or percentage amount for a numeric field that File-AID uses to determine "close-enough" matches for your compare. When you have completed this window, press <PF3> to proceed. Enter CANCEL to return to the Associate Field Names screen without entering a tolerance value.

**Figure 1-21.** Tolerance Value/Percentage Specification Screen

```
File-AID ----------- Compare - Formatted Criteria ----------------------------
C +------------- Tolerance Value/Percentage Specification --------------+ PAGE
  |                                                                      |
O |  Command ===>                               (End, Cancel, Help)      | -----
  |                                                                      |
  |  OLD field name: INV-UNIT-PRICE                   Format: PS  5  2   |
  |  NEW field name: INV-UNIT-PRICE                   Format: PS  5  2   |
  |                                                                      |
  |  Specify tolerance value/percentage ===>                            |
  |                                                                      |
  +----------------------------------------------------------------------+
      INV-STOCK-INFO(1)                  GRP    18
  _    INV-WAREHOUSE(1)                  C       3 COMPARISON FIELD
  _    INV-STATUS(1)                     C       6 COMPARISON FIELD
      INV-QTY-DATE(1)                    GRP     9
  _    INV-QTY-ON-HAND(1)                PS  5    COMPARISON FIELD
  _    INV-LAST-ORDER-DATE(1)            C       6 COMPARISON FIELD
      INV-BO-QTY-DATE(1)                 REDEFINE INV-QTY-DATE
      INV-BO-QTY-DATE(1)                 GRP     9
  _    INV-QTY-BACKORDERED(1)            PS  5    COMPARISON FIELD
  _    INV-BACKORDER-DATE(1)             C       6 COMPARISON FIELD
      INV-STOCK-INFO(2)                  GRP    18
  _    INV-WAREHOUSE(2)                  C       3 COMPARISON FIELD
 Cmd: S = Sync/Key, T = Tolerance, P = Print, C = Compare, R = Reset
```

### Field Descriptions

**OLD field name/NEW field name**

Field name(s) as specified in record layout for which you are specifying a tolerance value/percentage.

**Format (OLD/NEW)**

Format(s) as specified in record layout(s).
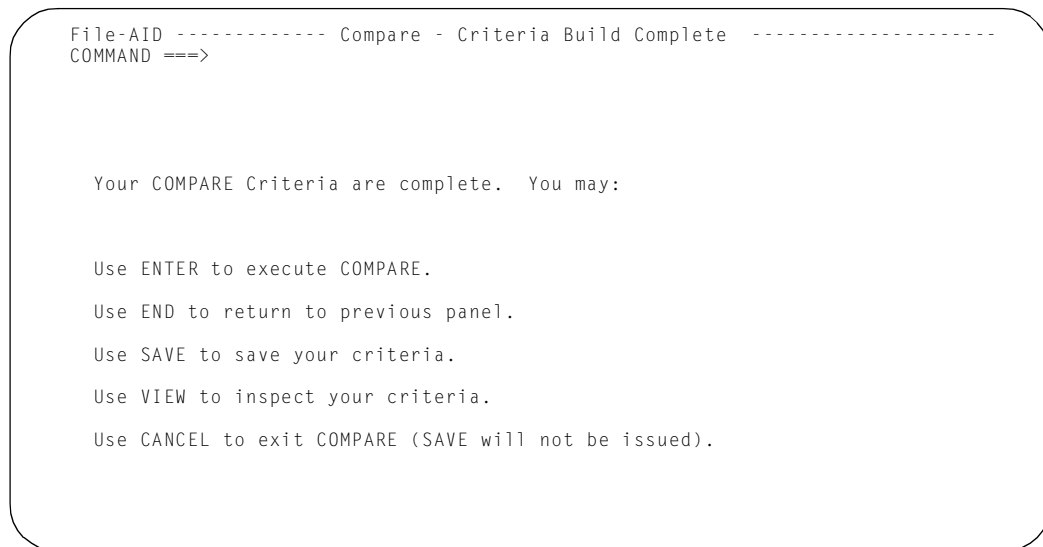
**Specify tolerance value/percentage**

> Specify a numeric tolerance value/percentage for File-AID to use to determine "close-enough" matches for your compare.  The tolerance value is limited to the most precise field (the number of integers and decimal places). Valid tolerance percentages are 000.001 through 999.999.

# Criteria Build Complete

The Compare Criteria Build Complete screen (Figure 1-22) is displayed when File-AID has all the information it needs to proceed with the comparison.

**Figure  1-22.**   Compare - Criteria Build Complete Screen

```
   File-AID ------------- Compare - Criteria Build Complete  ---------------------
   COMMAND ===>



     Your COMPARE Criteria are complete.  You may:


     Use ENTER to execute COMPARE.

     Use END to return to previous panel.

     Use SAVE to save your criteria.

     Use VIEW to inspect your criteria.

     Use CANCEL to exit COMPARE (SAVE will not be issued).

```

- Press <Enter> to execute an online Compare or view the Batch JCL.

- Press <PF3> (END) to return to the previous screen.

- Enter the SAVE primary command to save your Compare criteria before proceeding with the comparison.  Criteria is saved in the new style control cards even when existing criteria in the old style is used.

- Enter the VIEW primary command to display and inspect your new style Compare Criteria before proceeding with the comparison.

- Enter the CANCEL primary command to exit the Compare function without saving your Compare Criteria.

## View Criteria

The Compare - View Criteria screen (Figure 1-23 on page 1-33) displays the current compare criteria in a scrollable display.

Use the VIEW primary command on the Compare - Build Criteria Complete screen to display this screen.  Use the END command (<PF3>) to exit the View Criteria screen.

**Figure 1-23.** Compare - View Criteria Screen

```
  Menu  Utilities  Compilers  Help
 --------------------------------------------------------------------------------
  BROWSE    USERID0.FILEAID.CC.D00159.T171508          Line 00000000 Col 001 080
  Command ===>                                              Scroll ===> CSR
 ******************************** Top of Data *********************************
 *
 *   COMPARE OPTIONS
 0000 COMPARE_MODE=UNFORMATTED
 0000 COMPARE_TYPE=READ_AHEAD
 0000 READ_AHEAD_COUNT=100
 0000 READ_AHEAD_SEQUENCE=ENFORCE
 0000 RECORDS_TO_COMPARE=ALL
 0000 DIFFERENCES_TO_COMPARE=ALL
 *
 *   PRINT OPTIONS
 0000 PRINT_FORMAT=CHAR
 0000 MAX_DIFFERENCES_TO_REPORT=ALL
 0000 RECORD_TYPES_TO_PRINT=CHANGED,DELETED,INSERTED,MATCHED
 0000 UNFORMATTED_REPORT_STYLE=STANDARD
 0000 UNFORMATTED_PRINT_SEQUENCE=GROUP
 *
 *   OUTPUT OPTIONS
 *   NOT SPECIFIED
 *
```

# Criteria Dataset Specification

The Compare - Criteria Dataset Specification screen (Figure 1-24) enables you to specify a Compare Criteria dataset in which to save your compare criteria. File-AID displays this screen when the SAVE primary command is entered on the Criteria Build Complete screen. The compare criteria file is FB 80 and can be a Sequential file or a member of a PDS/PDSE.

For a pre-release 8.7 compare criteria dataset, specify Compare Criteria usage of M (Modify) and the dataset information on the Compare - Criteria Build Complete screen. You may save the new-style criteria to the same or a different dataset. These steps convert the the old-style criteria to the new-style criteria.

**Figure 1-24.** Compare - Criteria Dataset Specification Screen

```
  File-AID -------- Compare - Criteria Dataset Specification -------------------
  COMMAND ===>

  Specify Compare Criteria Information:
    Criteria dataset name    ===>
    Member name              ===>            (Blank or pattern for member list)




  Use ENTER to save into the specified dataset
  Use END to stop save and return to Criteria Build Complete Screen
```

## Field Descriptions

### *Specify Compare Criteria Information:*

**Criteria dataset name**

Specify the name of a Compare Criteria dataset.

**Member name**

If the file is a partitioned dataset, enter the member name or blank for member
selection list.

Press <Enter> to save into the specified dataset.  Press <End> (PF3) to stop the save and
return to the Criteria Build Complete screen.  If the dataset does not currently exist, File-
AID prompts you, online, to allocate the file.

# Compare Online Report

The Compare Online Report screen, shown in Figure 1-25, displays the Compare Report
online in a scrollable display.  Press <End>(PF3) to exit the display.

**Figure  1-25.**   Compare Online Report

```
 Menu  Utilities  Compilers  Help
 -------------------------------------------------------------------------
 BROWSE    USERID0.FILEAID.CR.D00160.T160432        Line 0000 Invalid command
 Command ===>                                             Scroll ===> CSR
 ******************************* Top of Data ********************************
 File-AID 8.8                                      COMPARE DETAIL REPORT

         "OLD" DSN: USERID0.FASAMP.INVFILE
         "NEW" DSN: USERID0.FASAMP.INVFILE2

 DELETED RECORD                              "OLD" FILE RECORD:         1

                              1         2         3         4         5
            RCD POSITIONS  ----+----0----+----0----+----0----+----0----+----0--
     "OLD"       1   100   COAX-12222    COAXIAL CABLE

               101   200   ...02505A90EAST COAST ELECTRICAL SUPPLY  ...CARL KRA

               201   300   ELECTRIC            ...SALLY KING               71

               301   400      ...GEORGE MUSIAL          212372182721237218000A

               401   500   N           917372812391737281000A45PITTSFIELD SUPPLY
```

# Report Print

After you have browsed the Compare report, File-AID displays the Compare - Report Print screen (Figure 1-26), allowing you to print the report.

- Press <Enter> to exit without printing the Compare report.

- Change the Print Compare Report field to Y (Yes) and press <Enter> to exit and print the Compare report.

- Press <PF3> (or use the End primary command) to exit without printing the report.

**Figure 1-26.** Compare - Report Print Screen

```
 File-AID ---------- Compare - Report Print ------------------- INVALID COMMAND
 COMMAND ===>




  Print Compare Report     ===> N      (Y = Yes; N = No)

  Instructions:

  Use ENTER to perform above action and return to the initial Compare screen
  Use END to exit without PRINT

```

## Field Descriptions

**Print Compare Report**

Specify whether you want to print the Compare report.

**Y** - Print the Compare report.

**N** - (Default) Do not print the Compare report.

# Print Parameters

For information on Print parameters, refer to "Print Parameters" on page 3-8 of the File-AID/MVS *Online Reference Manual.*

# JCL Specification

The Compare - JCL Specification screen, shown in Figure 1-27, enables you to enter JCL information for batch processing of the compare function. Enter the Sysout class for the Compare Report, the JOB statement, and other related JCL related statements. Use the JCL command to edit the generated JCL.

File-AID can be used to create compare JCL and incorporate it into test or production job streams that run it independently of the online screens and environment.

**Figure 1-27.** Compare - JCL Specification Screen

```
 File-AID ---------------- COMPARE - JCL Specification  ------------------------
 COMMAND ===>

 JCL Information for Batch Processing:

  Sysout class    ===> *

 JOB Statement Information:
 ===> //USERIDO JOB ('OFAQC8.6.0',81),'AUDIT',
 ===> //   CLASS=P,NOTIFY=USERIDO,MSGCLASS=R
 ===>
 ===>



 Use JCL command to edit generated JCL
 Use SUBMIT command to submit batch job
 Use END to return to main COMPARE panel without submitting job
```

# Field Descriptions

*JCL Information for Batch Processing:*

**Sysout class**

Specify the output category or output device.

**JOB Statement Information**

Specify job card information for batch jobs.

After you complete the fields on the Compare - JCL Specification screen, enter one of the following commands:

**JCL**

File-AID generates the JCL to process the job and displays the Generated JCL Edit screen, where you can edit the generated JCL before you submit it.

**SUBMIT**

Generates the JCL and submits the job for execution. File-AID then displays the Compare Datasets Specification screen.

**END**

Returns to the Compare Datasets Specification screen without submitting the job.

# Chapter 2.
# HFS File Support

File-AID now includes extensive support for Unix HFS files in both online and batch processes such as Browse, Edit, Copy, Compare, and XMLGEN.

## Specifying an HFS Pathname

Enter the pathname of the file you want to process in the "Dataset name or HFS path" field. Enter the HFS pathname without quotes. When you are uncertain of the complete pathname or it is longer than the field, specify a partial pathname and File-AID displays the HFS Directory List screen. This list enables you to drill down and select the target file.

Use the following characters to indicate the pathname:

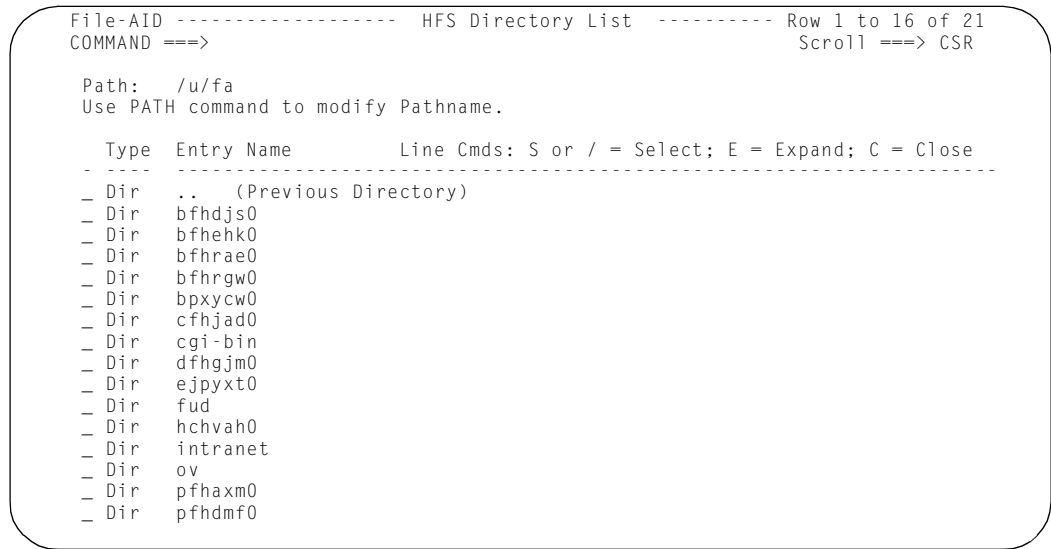| | |
|---|---|
| / | Begins with the root directory |
| ./ | Begins with the working directory |
| ~ | Begins with the home directory as defined on the Hierarchical File System Options screen (option 0.6). |

If you specify a pathname for an HFS file that does not exist on the Edit Dataset Specification or Copy Dataset Specification screen (with a disposition of NEW), File-AID creates and opens the new HFS file with the following permissions:

- Read, Write and Search or Execute for the file owner
- Read and Search or Execute for the file group
- Read and Search or Execute for all others.

# HFS Directory List

The HFS Directory List screen, shown in Figure 2-1, is a list of the existing entries in the specified directory. You can drill down the hierarchical file system on this screen to reach your target file using the line commands described below or use the PATH primary command to specify the remainder of the name.

**Figure 2-1.** HFS Directory List Screen

```
   File-AID ------------------- HFS Directory List  ---------- Row 1 to 16 of 21
   COMMAND ===>                                             Scroll ===> CSR

   Path:   /u/fa
   Use PATH command to modify Pathname.

    Type   Entry Name        Line Cmds: S or / = Select; E = Expand; C = Close
   - ----  --------------------------------------------------------------------
   _ Dir   ..  (Previous Directory)
   _ Dir   bfhdjs0
   _ Dir   bfhehk0
   _ Dir   bfhrae0
   _ Dir   bfhrgw0
   _ Dir   bpxycw0
   _ Dir   cfhjad0
   _ Dir   cgi-bin
   _ Dir   dfhgjm0
   _ Dir   ejpyxt0
   _ Dir   fud
   _ Dir   hchvah0
   _ Dir   intranet
   _ Dir   ov
   _ Dir   pfhaxm0
   _ Dir   pfhdmf0
```

## Line Commands

The following line commands are valid on the HFS Directory List screen. Multiple line commands are not supported.

**S or /**

Select the entry. If it is a directory type entry, the HFS Directory List is redisplayed for the specified directory. You can use S with the PATH primary command to include the selected name for the pathname on the Hierarchical File System Specification screen.

**E**

Expand the directory and display its contents. You cannot use the E line command for the previous directory entry or a file type entry.

**C**

Close the expanded directory. The C line command is only valid for directories that were previously expanded.

## Primary Command

The PATH command displays the Hierarchical File System Specification screen with the current pathname.

# Hierarchical File System Specification

The Hierarchical File System Specification screen, as shown in Figure 2-2, displays the current pathname. You can specify the remainder of the pathname or modify the current pathname and re-drive the directory process to drill down.

**Figure  2-2.**   Hierarchical File System Specification Screen

```
File-AID ------------ Hierarchical File System Specification ----------------
COMMAND ===>

Specify Pathname:

  Pathname  ===> /u/fa




Specify Record Length:
Record length ===>        (1 - 32756 for fixed-length records;
                           Blank to process as delimited text file)



```

If a complete pathname is entered, File-AID processes the file for the Edit, Browse, Compare or Copy function. If a partial pathname is entered, File-AID displays the HFS Directory List and you may continue the drill down process at the last directory level entered.

# Chapter 3.
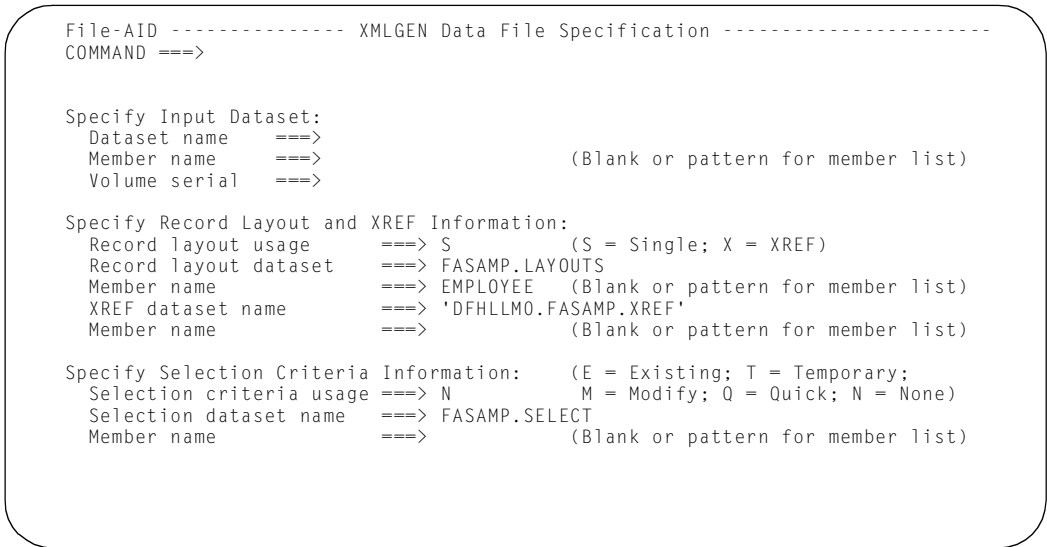# XML Document Creation

XML Document Creation: Create XML documents from existing files using COBOL or PL/I layout fields as the tag names.

The XMLGEN utility creates XML documents from existing files using COBOL or PL/I layout fields as the tag names. To select the XMLGEN utility, type the number **G** in the OPTION field of the File-AID Extended Utilities menu. When you press <Enter>, the XMLGEN Data File screen is displayed as shown in Figure 3-1.

# XML Data File Specification

The XMLGEN Data File screen, shown in Figure 3-1, allows you to identify the data file information for File-AID to use to create the XML output.

**Figure 3-1.** XMLGEN Data File Specification Screen

```
File-AID --------------- XMLGEN Data File Specification ----------------------
COMMAND ===>


Specify Input Dataset:
  Dataset name     ===>
  Member name      ===>                          (Blank or pattern for member list)
  Volume serial    ===>

Specify Record Layout and XREF Information:
  Record layout usage        ===> S            (S = Single; X = XREF)
  Record layout dataset      ===> FASAMP.LAYOUTS
  Member name                ===> EMPLOYEE   (Blank or pattern for member list)
  XREF dataset name          ===> 'DFHLLMO.FASAMP.XREF'
  Member name                ===>              (Blank or pattern for member list)

Specify Selection Criteria Information:    (E = Existing; T = Temporary;
  Selection criteria usage ===> N              M = Modify; Q = Quick; N = None)
  Selection dataset name    ===> FASAMP.SELECT
  Member name                ===>              (Blank or pattern for member list)
```

## Field Descriptions

*Specify Input Dataset:*

**Dataset name**

Specify the dataset name. Use the naming conventions described in "Specifying a Dataset Name on page 2-14 of the *File-AID/MVS Online Reference Manual*. You can enter a pattern dataset name in this field to display a list of datasets from which you can make a selection. A pattern dataset name or mask consists of explicit characters or a combination of explicit and pattern characters.

**Member name**

Specify the member name. You can leave this field blank or enter a pattern member name to display a list of members from which you can make a selection. A pattern member name or mask consists of explicit characters or a combination of explicit

and pattern characters. Pattern names cannot be entered in both the Input dataset name and Member name fields at the same time.

**Volume serial**

Specify the volume serial of the direct access device that contains the dataset. This field is required only when the dataset is uncataloged.

### *Specify Record Layout and XREF Information:*

**Record layout usage**

Specify one of the following values:

**S** - Single record layout.

**X** - XREF (record layout cross reference). Specify when more than one record layout is needed for a single dataset.

**Record layout dataset**

Specify the name of a dataset that contains the COBOL or PL/I record layout. This file is required when the Record layout usage field is S (single) or X (XREF).

You can enter a pattern dataset name in this field to display a list of datasets from which you can make a selection. A pattern dataset name or mask consists of explicit characters or a combination of explicit and pattern characters. See "Pattern Dataset Names" on page 2-15 for a complete description.

**Member name**

Specify the member name. You can leave this field blank or enter a pattern member name to display a list of members from which you can make a selection. A pattern member name or mask consists of explicit characters or a combination of explicit and pattern characters. See "Pattern Member Names" on page 2-19 for a complete description. Pattern names cannot be entered in both the Dataset name and Member name fields at the same time.

**XREF dataset name**

Specify the name of a dataset that contains the record layout cross reference (XREF) members to use with multiple record type datasets. See "Record Layout XREF Dataset" on page 2-28.

You can enter a pattern dataset name in this field to display a list of datasets from which you can make a selection. A pattern dataset name or mask consists of explicit characters or a combination of explicit and pattern characters. See "Pattern Dataset Names" on page 2-15 for a complete description.

Member name

Specify the member name. You can leave this field blank or enter a pattern member name to display a list of members from which you can make a selection. A pattern member name or mask consists of explicit characters or a combination of explicit and pattern characters. See "Pattern Member Names" on page 2-19 for a complete description. Pattern names cannot be entered in both the Dataset name and Member name fields at the same time.

### *Specify Selection Criteria Information:*

Refer to Chapter 16, "Selection Criteria (6)" in the F*ile-AID/MVS Online Reference Manual* for a complete description of selection criteria.

**Selection criteria usage**

Specify one of the following valid entries:

**E** -- Use existing selection criteria. Enter a dataset name in the Selection dataset name field.

**T** -- Create temporary selection criteria. File-AID displays the Temporary Selection Criteria Menu. Temporary selection criteria is not automatically saved. To retain temporary selection criteria use the SAVE primary command on the Selection Criteria Menu screen.

**M** -- Modify existing selection criteria. Enter a dataset name in the Selection dataset name field.

**Q** -- Quick selection criteria. File-AID displays the Unformatted Selection Criteria screen for you to enter selection criteria. Quick selection criteria is not automatically saved. Use the SAVE primary command to retain quick selection criteria.

**N** -- (Default) None -- Do not use selection criteria.

**Selection dataset name**

Specify the name of the dataset containing existing selection criteria for options E and M.

You can enter a pattern dataset name in this field to display a list of datasets from which you can make a selection. A pattern dataset name or mask consists of explicit characters or a combination of explicit and pattern characters. See "Pattern Dataset Names" on page 2-15 for a complete description.

**Member name**

Specify the member name. You can leave this field blank or enter a pattern member name to display a list of members from which you can make a selection. A pattern member name or mask consists of explicit characters or a combination of explicit and pattern characters. See "Pattern Member Names" on page 2-19 for a complete description. Pattern names cannot be entered in both the Dataset name and Member name fields at the same time.

After you have completed the fields on the XMLGEN Data File Specification screen, press <Enter> to continue. Use the END (PF3) to return to the File-AID Extended Utilities Menu.

# XMLGEN Processing Options

The XMLGEN Processing Options screen, shown in , allows you to define processing and output options for your XML document.

**Figure  3-2.**   XMLGEN Processing Options Screen

```
   File-AID ------------  XMLGEN - Processing Options ---------------------------
   COMMAND ===>

   Specify Execution Options:
    Records to process       ===> ALL      (ALL or maximum number)
    Invalid field action     ===> H        (H = Hex; D = Data; S = Skip)


   Specify XML Output Information:
    Dataset or path ===>
    Member name      ===>           (Blank or pattern for member list)
    Disposition      ===> NEW       (NEW; SHR; MOD; OLD)
    Volume Serial    ===>           (If dataset is not cataloged)


    Use ENTER to continue, END to cancel
```

# Field Descriptions

### *Specify Execution Options*

**Records to Process**

> Specify the number of records from the input file to use when generating the XML document. Valid entries are ALL, or the numbers 0 - 99999. 0 is treated as "ALL".

**Invalid field action**

Specify how you want the XML document generator to process data fields that are invalid as defined by the record layout. Valid entries are:

> **H**  Hex.  Data is displayed in a hex dump format.
>
> **D**  Data.  Data is displayed exactly as it is in the file with no formatting.
>
> **S**  Skip.  Data portion of the field is omitted.

### *Specify XML Output Information*

Use this section of the screen to identify the dataset into which you want to generate this XML document.

**Dataset or path**

> Specify the dataset name or HFS pathname for the XML output.

**Member name**

> If the dataset is partitioned you may specify a member name. If the dataset is partitioned and you do not specify a member, the PDS Processing Options (PPO) are displayed to enable you to generate a member list based on member names, ISPF statistics, and (optionally) selection criteria.

**Disposition**

> The XML document dataset disposition may be NEW, SHR, MOD, or OLD. Specify a a valid disposition:
>
> **NEW** - Allocate online a new file.
>
> **SHR** - Other users may access the dataset.
>
> **MOD** - Append data to the end of an existing file.
>
> **OLD** - Overwrite an OLD file.

**Volume serial**

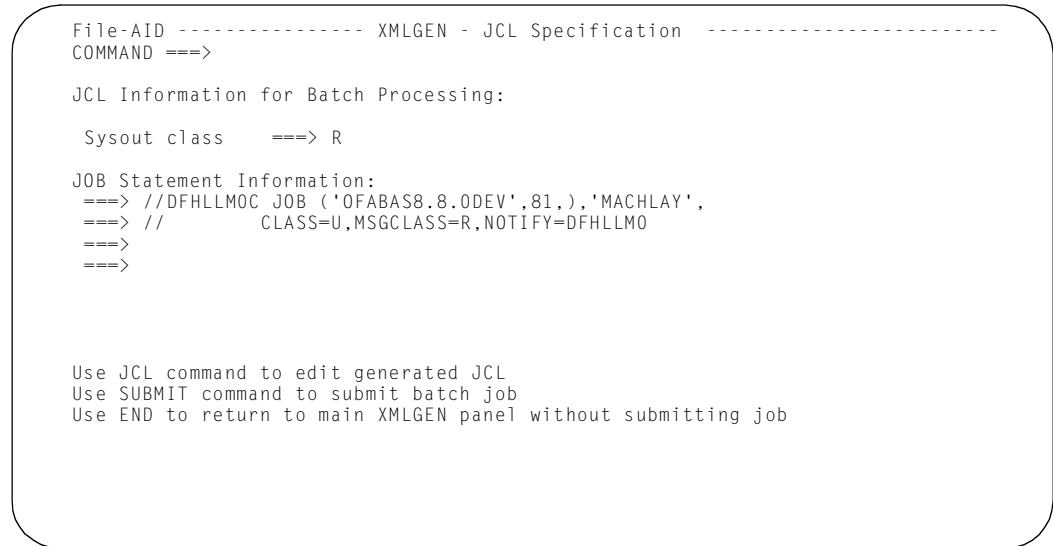> If the dataset is not cataloged, enter the Volume serial number.

After you have completed the fields on the XMLGEN Processing Options screen, press <Enter> to continue. Use the END (PF3) to return to the XMLGEN Data File Specification screen.

# XMLGEN JCL Specification

The XMLGEN JCL Specification screen, shown in Figure 3-3 , allows you to specify your JCL information and submit the job for processing.

**Figure 3-3.** XMLGEN JCL Specification Screen

```
File-AID ---------------- XMLGEN - JCL Specification  ------------------------
COMMAND ===>

JCL Information for Batch Processing:

 Sysout class    ===> R

JOB Statement Information:
 ===> //DFHLLM0C JOB ('OFABAS8.8.0DEV',81,),'MACHLAY',
 ===> //         CLASS=U,MSGCLASS=R,NOTIFY=DFHLLM0
 ===>
 ===>




Use JCL command to edit generated JCL
Use SUBMIT command to submit batch job
Use END to return to main XMLGEN panel without submitting job

```

## Field Descriptions

On the JCL Specification screen you can enter the following commands:

**JCL**

> File-AID generates the JCL to process the job and displays it on an edit screen, as shown in Figure 3-4.

**SUBMIT**

> Submits the batch job.

**CANCEL**

> Terminates the function.

The Generated JCL Edit screen, shown in Figure 3-4, is displayed by entering the JCL primary command on the XMLGEN - JCL Specification screen.

**Figure  3-4.**   Generated JCL Edit Screen

```
 File  Edit  Confirm  Menu  Utilities  Compilers  Test  Help
 ------------------------------------------------------------------------------
 EDIT       SYS01039.T132506.RA000.DFHLLMO.R0121547        Columns 00001 00072
 Command ===>                                               Scroll ===> PAGE
 ****** **************************** Top of Data ******************************
 000001 //DFHLLMOC JOB ('OFABAS8.5.ODEV',81,),'MACHLAY',
 000002 //         CLASS=U,MSGCLASS=R,NOTIFY=DFHLLMO
 000003 //*  YOU ARE VIEWING JCL THAT FILE-AID 8.8 HAS GENERATED TO
 000004 //*  PERFORM THE REQUIRED FUNCTION.
 000005 //*
 000006 //*  YOU CAN CHANGE THIS JCL IF DESIRED AND USE THE SUBMIT PRIMARY
 000007 //*  COMMAND TO SUBMIT THE JOB. THE CREATE OR REPLACE PRIMARY COMMAND
 000008 //*  CAN BE USED TO KEEP THIS JOBSTREAM FOR FUTURE USE.
 000009 //*
 000010 //*  USE THE END COMMAND TO EXIT WITHOUT SUBMITTING THE JOB.
 000011 //*
 000012 //JS10     EXEC PGM=FILEAID,REGION=6M
 000013 //STEPLIB  DD  DISP=SHR,DSN=XXXXXXX.FA.V8R8M0.LOAD
 000014 //SYSPRINT DD  SYSOUT=R
 000015 //SYSLIST  DD  SYSOUT=R
 000016 //DD01     DD  DSN=FASAMP.EMPLOYEE,
 000017 //             DISP=SHR
 000018 //DD010    DD  DSN=DFHLLMO.FASAMP.NEWXML,
 000019 //             DISP=OLD
 000019 //DD01RL   DD  DSN=DFHLLMO.FASAMP.LAYOUTS,
 000019 //             DISP=SHR
 000019 //SYSIN    DD  *
 000019 $$DD01 XMLGEN  INVALID=HEX,OUT=0,LAYOUT=EMPLOYEE
 000019 /*
 000019 //
```

You can edit the generated JCL, submit it with the SUBMIT primary command, and save
it by using the CREATE or REPLACE primary commands.

# Chapter 4.
# Browse/Edit New Primary Command Features

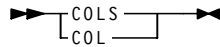New Functionality within Browse/Edit Enhances Usability:

- HIDE and HOLD Fields
- COPY and PASTE Records between Files
- FLIP Excluded/Non-excluded Records in the Display
- COLS Primary Command available in Edit
- Maintain Record and Cursor Position when switching between Browse and Edit sessions with the new GO Primary Command.
- XMLGEN generates an XML formatted document from existing, files using COBOL or PL/I layout fields as the tag names.

## COLS (COL)

The COLS command displays the COLS information line to column numbers.

The command is available in the Browse and Edit function in Character mode.

```
►►─┬─COLS─┬─►◄
    └─COL──┘
```

The COLS information line is a ruler line, which allows you to identify data in specific columns. If the record key is included in the display, the COLS line contains spaces to separate the key's position, just like the data lines.

The COLS information line is inserted at the top line of the data and the remaining lines are pushed down.

## CUT

The CUT primary command creates a temporary copy of a file (or portion of a file) that you are editing with File-AID/MVS Edit. Use the C or CC (copy) line command to specify the source of the 'cut'. The cut file is VB with an LRECL of 32756.

The temporary CUT file is deleted when you exit File-AID Edit. When in split screen the CUT file is not deleted until you exit the last File-AID Edit session. The Specify Work File/Cut File Allocations field on the File-AID System Parameters screen (option F.0.1) enables you to adjust the space allocations for the CUT file.

The CUT command is valid in Character and Vertical Formatted modes of Edit.

```
►►───CUT───┬──────────┬───►◄
           └─APPEND───┘
```

**A**

The APPEND parameter is used to add to the existing cut file.

# FLIP

The FLIP command reverses the exclude status of all of the records in the file.  This
command is valid in all modes of Browse and Edit with the exception of Windowed
Browse and Windowed Edit. The FLIP primary command has no parameters.

```
►►——FLIP——►◄
```

# GO

The GO command switches your session into Browse (from Edit) or Edit (from Browse)
while retaining your current record and cursor position. However, when using the GO
command in a segmented record while positioned in a segment, the record will be re-posi-
tioned to the BASE. The GOcommand is valid in all modes of Browse and Edit with the
exception of Windowed Browse and Windowed Edit.

```
►►—GO ──────────────────►◄
       ├─BROWSE──┤
       └─EDIT────┘
```

**BROWSE**

Switch to File-AID Browse.

**EDIT**

Switch to File-AID Edit.

# HIDE

The HIDE command enables you to exclude fields or a range of fields from your display.
It is similar to the "Display OFF field" command. It is valid in Formatted and Vertical
Formatted mode of Browse and Edit.

```
►►—HIDE ─────────────────────►◄
        ├─ field-number ──────┤
        ├─ field-number-range ┤
        └─ALL────────────────┘
```

**field-number**

Hides the specified field number.

**field-number-range**

Hides the specified range of field numbers. For example:  HIDE 1-3 displays fields 4,5,6,...

**ALL**

The HIDE ALL command hides all fields and displays the HIDE and HOLD Settings pop-up listing all the fields in the record.  This pop-up indicates the display status of each field and enables you to enter line commands for each field.  The line commands enable you to reset a field to display (R), hide a field (X), and/or reorder the display of fields (H).

### *Guidelines*

You can redisplay the HIDE and HOLD Settings pop-up at any time by entering HIDE <blank>, HOLD <blank>, or HIDE ALL in the Command field.

The fields which are HIDDEN using the HIDE (or Display OFF) are redisplayed by using RESET (or RESET HIDE), Display ON or HOLD on that field.
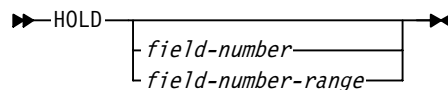
Fields are identified by their field numbers.   In VFMT mode each field number is always shown at the left of each field's heading "ruler". Reverse range is supported with the HIDE command.

# HOLD

The HOLD command specifies the ORDER of data items to HOLD on the screen when scrolling in Formatted and Vertical Formatted mode of Browse and Edit.  The fields are kept on the screen in the ORDER specified.   You can use reverse field range with the HOLD primary command.

Entering the HOLD primary command without an operand displays the HIDE and HOLD Settings pop-up listing all the fields in the record.  This pop-up indicates the display status of each field and enables you to enter line commands for each field. The line commands enable you to reset a field to display (R), hide a field (X), and/or reorder the display of fields (H).

```
▶▶─HOLD──────────────────────▶◀
          ├─field-number──────┤
          └─field-number-range─┘
```

**field-number**

Holds the specified field number(s).

**field-number-range**

Holds the specified range of field numbers. Reverse field range is supported. For example:   HOLD 3-1 6   displays 3,2,1,6,4,5,7,9...

### *Guidelines*

You can redisplay the HIDE and HOLD Settings pop-up at any time by entering HOLD <blank>, HIDE <blank>, or HIDE ALL in the Command field.

Entering a second HOLD command on a field already HELD moves that field to the end of the HOLD fields displayed. For example, HOLD 3,2,1 displays 3,2,1,4,5...   And entering HOLD 2 subsequently displays 3,1,2,4,5...
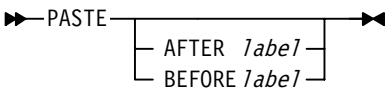
Any fields which were hidden by Display OFF, Display ONLY or HIDE are redisplayed when the HOLD command or DISPLAY ON is entered with that field number.

All held or hidden fields are released by entering the RESET primary command. All held fields are released by the RESET HOLD primary command.

Fields are identified by their field numbers.  In VFMT mode each field number is always shown at the left of each field's heading "ruler".

# PASTE

The PASTE primary command copies the CUT file sequentially into the current File-AID Edit file.  It is valid in Character and Vertical Formatted modes of Edit.

```
▶▶──PASTE──────────────────────▶◀
           ├─ AFTER  label ─┤
           └─ BEFORE label ─┘
```
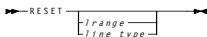
Specify the destination with the  A (after), B (before) or  H (here) line command or the AFTER <label> or BEFORE <label> operand.  When the Edit file is empty, you do not need to enter the destination.

# RESET (RES)

In character and vertical formatted edit, the RESET command removes from display specified line types, specified information display types in the sequence number fields, and pending line commands. RESET also makes previously excluded lines and fields available for display. In character browse, RESET removes the COLS information line. In Formatted mode, use the RESET command without a parameter to remove all profile information lines.

The command is available in the Browse and Edit functions in all modes.

```
▶▶─ RESET ─┬───────────┬─▶◀
           ├─ lrange ──┤
           └─ line type ┘
```

**lrange**

Confines the RESET command to a specified range of lines (records). The line range may be specified using one or two line labels or line numbers. For the line range limits, use any combination of user-defined labels or line numbers (prefixed by a period).

**line-type**

Specifies types of information flags to be eliminated from the display. Omitting the *line-type* parameter is equivalent to specifying all line types except LABEL. Valid entries for this parameter are listed in Table 4-1.

**Table  4-1.**    Valid Values for RESET Line-Type Parameter

| Value | Abbreviation | Definition |
|---|---|---|
| CHANGE | CHG | Clears all instances of the CHG or UNDO flag |
| COMMAND | COM,CMD | Eliminates pending line command |
| ERROR | ERR | Clears all instances of the ERR flag |

**Table 4-1.** Valid Values for RESET Line-Type Parameter

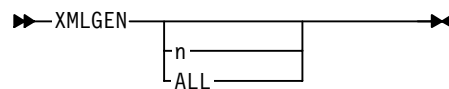| Value | Abbreviation | Definition |
|---|---|---|
| EXCLUDED | X | Redisplays line excluded with EXCLUDE primary or X (exclude) line commands |
| HIDE | | Displays all hidden fields. |
| HOLD | | Clears all held fields. |
| LABEL | LAB | Clears user-defined label |
| NEW | NEW | Clears all instances of the NEW flag |
| SPECIAL | SPE | Removes information display marked by the BNDS, COLS, INFO, MASK, OVLY, or PROF flag |

**Notes:**

1. Refer to "Using Line Labels and Line Ranges" on page 4-27 of the *File-AID/MVS Online Reference Manual* for information on user-defined labels or line numbers to specify the line range limits.

2. The DUP and SEQ information flags are not affected by the RESET command.

# XMLGEN

The XMLGEN primary command generates an XML formatted document from existing files using COBOL or PL/I layout fields as the tag names, into an existing, or new, dataset using any number of subsequent records. This command is valid in Formatted mode of Browse and Edit.

```
►►──XMLGEN──┬──────────┬──►◄
            ├─ n ──────┤
            └─ ALL ────┘
```

**n**

Number of records to use to generate the XML Document, or is the keyword ALL. The XMLGEN command uses the record fields as they are displayed on the screen (see DISPLAY/HIDE commands to change the display formats).

If n (number of records) is omitted, or ALL is specified, the current record and all following records are used to generate the XML Document.

Excluded records and fields are not used when generating an XML document. If the file has segmented records defined with an XREF member, File-AID internally issues NEXT commands to format each segment of each record.

# Chapter 5.
# Frequently Used Files List

Automatic Creation of Frequently Used File List: Automatically creates a list of the last 50 files, members, and layouts referenced in your Browse or Edit session.
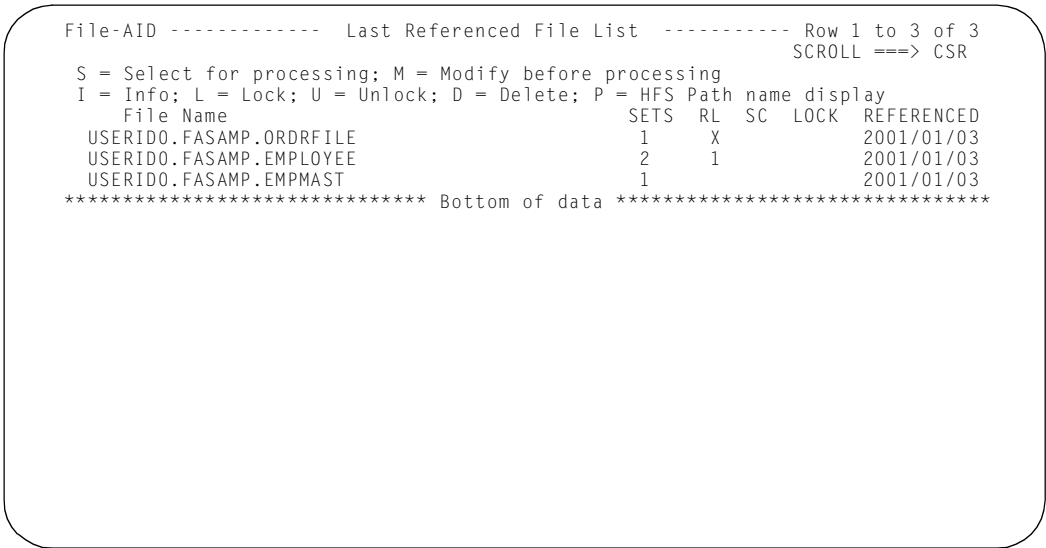
## Last Referenced File List

The Last Referenced File List, shown in Figure 5-1, lists up to the last 50 files that you Browsed and/or Edited with File-AID. It is displayed when you enter the FILELIST primary command or blank out the Dataset name or HFS path field on the Browse or Edit Dataset Specification screen.

Primary commands enable you to sort by filename or referenced date and locate an entry by filename. Line commands allow you to select a file for processing, lock, unlock, and delete entries from the list, display the complete HFS path name, and display related dataset information.

The related dataset information includes the Record Layout/XREF and Selection Criteria files that you associated with the referenced files. Enter the I line command to the left of the file name to display associated or related file information. File-AID displays this information on the Related File List screen (shown in Figure 5-2 on page 5-3).

**Figure 5-1.** Last Referenced File List Screen

```
   File-AID ------------- Last Referenced File List ----------- Row 1 to 3 of 3
                                                           SCROLL ===> CSR
   S = Select for processing; M = Modify before processing
   I = Info; L = Lock; U = Unlock; D = Delete; P = HFS Path name display
     File Name                               SETS  RL  SC  LOCK  REFERENCED
   USERID0.FASAMP.ORDRFILE                    1    X             2001/01/03
   USERID0.FASAMP.EMPLOYEE                    2    1             2001/01/03
   USERID0.FASAMP.EMPMAST                     1                  2001/01/03
   ****************************** Bottom of data ********************************
```

## Field Descriptions:

**File Name**

Name of dataset file or HFS path.

**SETS**

Number of sets of associated (or related) information you have for this dataset name.

**RL**

Number of record layouts associated with this file name or an S for a single layout or an X for an XREF dataset.

**SC**

Number of selection criteria datasets associated with this file name. An E specifies existing selection criteria and an M specifies that you modified this selection criteria the last time you used it.

**LOCK**

An L in this field identifies the entry as locked from rolling off the Last Referenced File List. This field is blank when the file is unlocked.

You are permitted to lock all 50 file names. However if all 50 file names are locked, File-AID cannot add any new file names to the list.

**REFERENCED**

Date you last browsed or edited this file name with File-AID/MVS.

## Primary Commands:

**SORT**

Sort Last Referenced File List entries by NAME or DATE. NAME sorts the entries alphabetically by file name. DATE sorts the entries by last referenced date.

**LOCATE**

Locate an entry in the Last Referenced File List. Enter a file name or partial file name to locate.

## Line  Commands:

M - Select the set and redisplay the Browse or Edit Dataset Specification screen for modification.

S - Select the set and continue with processing.

I - Display related detail information about the file set on the Related File List screen.

L - Lock the set to prevent it from rolling off the list.

U - Unlock the set to allow it to roll off the list.

D - Delete the set from the list.

P - Display the complete HFS path name.

On the Last Referenced File List, an I, M, or S line command issued against a referenced file with multiple sets automatically displays the related detailed information for that file on the Related File List screen. If you enter an L, U, or D for a file with multiple related file data, File-AID displays the Multiple Set Processing pop-up which enables you to choose how to process the command for the multiple sets of related files.

# Related File List

The Related File list, shown in Figure 5-2, shows detailed information for a selected entry on the Last Referenced File List including the Record Layout, XREF, and Selection Criteria file(s) associated with that file. When there are multiple sets of Related File(s) they are all

displayed. On the Last Referenced File List, enter the I line command to the left of the file name to display the Related File List screen.

**Figure 5-2.** Related File List Screen

```
  File-AID ------------------- Related File List ------------- Row 1 to 1 of 1
                                                       SCROLL ===> CSR
   S = Select for processing; M = Modify before processing
   L = Lock; U = Unlock; D = Delete; P = HFS Path name display
                                                      Referenced Date
   USERID0.FASAMP.ORDRFILE                             2001/01/03  14:51
     Volume Serial:            I/O Exit:
               Layout: USERID0.FASAMP.LAYOUTS
                 Xref: USERID0.FASAMP.XREF(ORDRFILE)
             Selection:
  ****************************** Bottom of data ********************************
```

*Field Descriptions:*

**File Name**

Name of dataset file or HFS path.

**Referenced Date**

Date and time you last browsed or edited this file name with File-AID/MVS.

**Volume Serial**

Volume serial of the direct access device that contains the dataset if it was specified on the Dataset Specification screen.

**I/O Exit**

I/O Exit name if it was specified on the Data Specification screen.

**Layout**

Name of record layout file (and member name when applicable) associated with this File Name.

**XREF**

Name of XREF file (and member name) associated with the File Name.

**Selection**

Name of Selection Criteria file associated with this file name.

*Line Commands:*

M - Select the set and redisplay the entry panel for modification.

S - Select the set and continue with processing.

L - Lock the set to prevent it from rolling off the list.

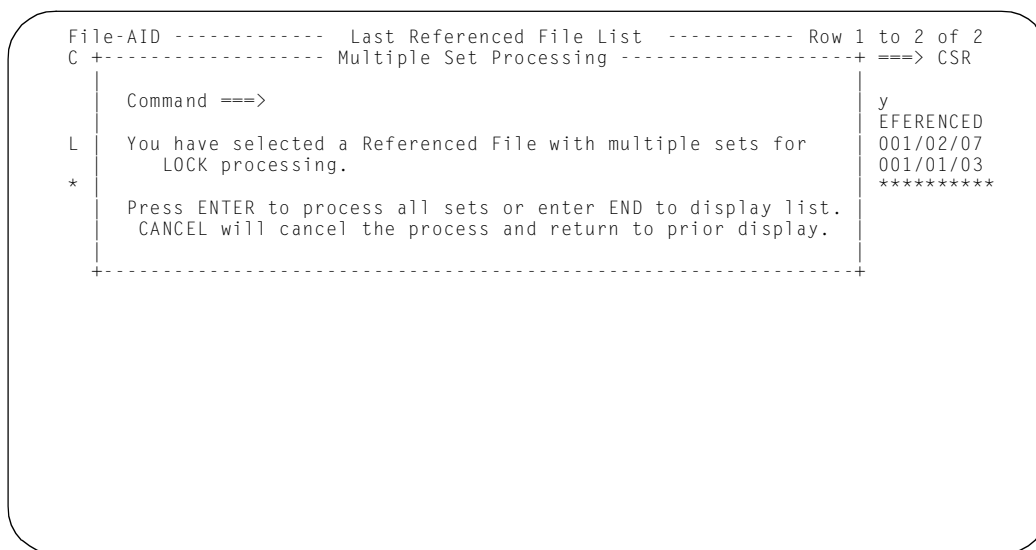U - Unlock the set to allow it to roll off the list.

D - Delete the set from the list.

P - Display the complete HFS path name.

# Multiple Set Processing

The Multiple Set Processing pop-up, shown in Figure 5-3, is displayed when you enter the L(ock), U(nlock), D(elete) line command on the Last Referenced File List screen and the file contains multiple sets of Related Files. This pop-up gives you the option to perform the specified action against all of the related sets or displaying a list of the sets for individual action.

**Figure  5-3.**    Multiple Set Processing Pop-up

```
 File-AID ------------- Last Referenced File List  ----------- Row 1 to 2 of 2
 C +------------------- Multiple Set Processing --------------------+ ===> CSR
   |                                                                |
   |  Command ===>                                                  | y
   |                                                                | EFERENCED
 L |  You have selected a Referenced File with multiple sets for    | 001/02/07
   |     LOCK processing.                                           | 001/01/03
 * |                                                                | **********
   |  Press ENTER to process all sets or enter END to display list. |
   |   CANCEL will cancel the process and return to prior display.  |
   |                                                                |
   +----------------------------------------------------------------+
```

***Commands:***

**<Enter>**

Press <Enter> to process all sets with the specified command.

**END**

Use the End primary command or <PF3> to display the Related File List screen which enables you to specify

**CANCEL**

Use the CANCEL primary command to cancel this process and return to prior display.